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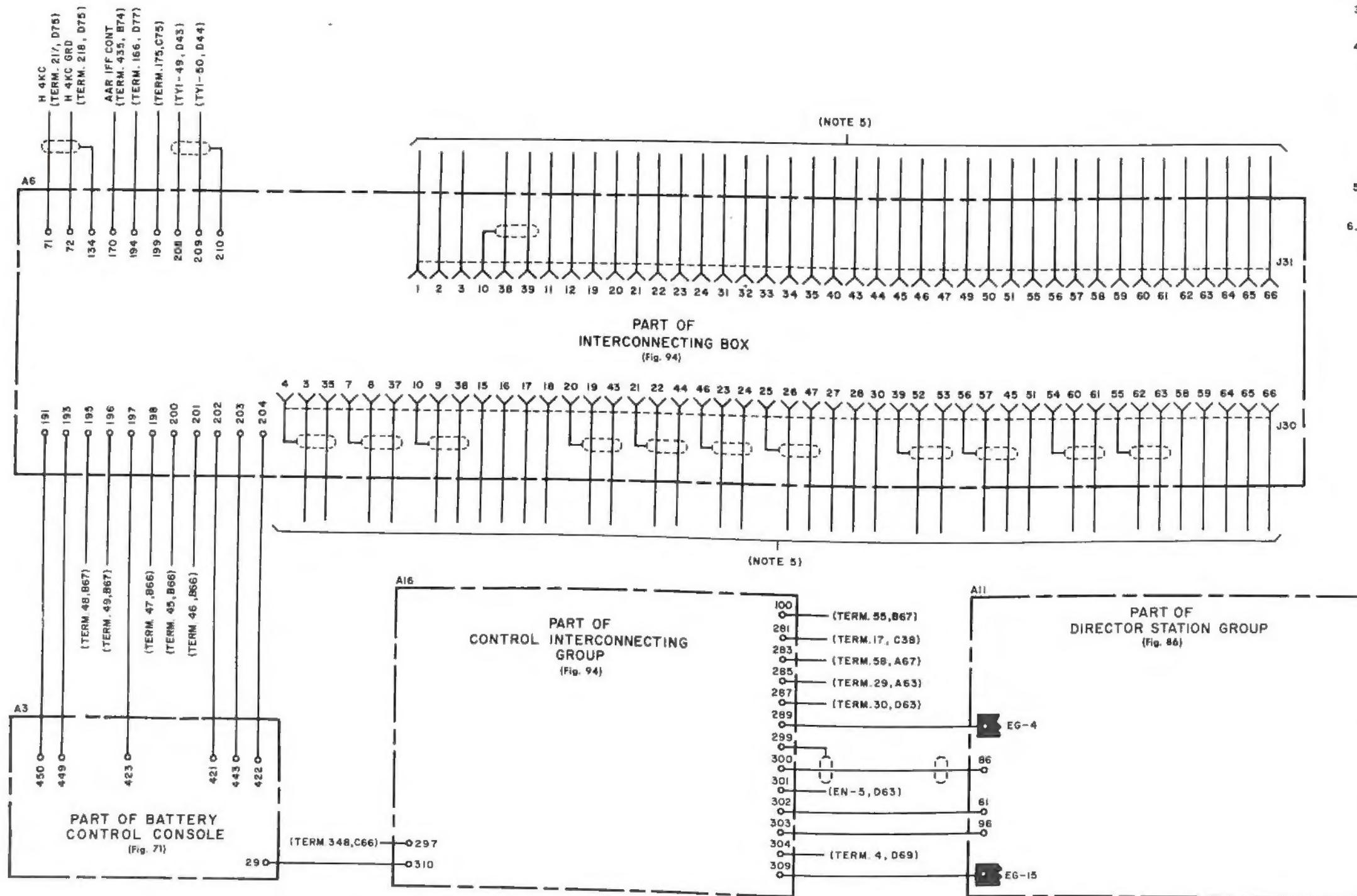
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- NOTES:**
- ALL VALUES ARE EXPRESSED IN MICROFARADS UNLESS OTHERWISE INDICATED
 - REFER TO TM9-1430-258-20
 - TELEPHONE JACK STATION IS LOCATED ON THE BATTERY CONTROL INTERCONNECTING BOX HOUSING - 6513740
 - FOR SYSTEMS THAT DO NOT HAVE REMOTE SWITCHING CONTROL C-1903/TPA-3 (PART OF ACQUISITION CONTROL-INDICATOR) OR VIDEO DECODER MX-1995/TPA-3 (PART OF EQUIPMENT COOLING CABINET), TERMINALS 126 AND 156 ARE STRAPPED TOGETHER BY A JUMPER WIRE, CONNECTORS P201 AND P204 ARE CONNECTED BY AN ADAPTER CONNECTOR. FOR SYSTEMS THAT HAVE REMOTE SWITCHING CONTROL AND VIDEO DECODER, CONNECTIONS ARE AS SHOWN
 - REFER TO SCHEMATIC OF INTERCONNECTING BOX (GS-6747B) AND CONTROL INTERCONNECTING GROUP (GS-67553).
 - UNUSED FACILITIES NOT SHOWN IN BODY OF SCHEMATIC ARE AS FOLLOWS:

J6-B
J22-G,I,J,K,L
P10I-P,S,U,V
P203-E
P205-P,S,U,V
P207-P,S,U,V
TB4-7
TB8F-3
TB8G-3
TB8H-3

ORD G252443

Figure 70 (U). Continued (sheet 14 of 14).

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(U) Index of Terminals—Computer Amplifier—Relay Group

Terminal	Location																												
1	C8	49	A14	97	C28	145	C3	193	C6	241	B4	289	C8	337	C10	385	B8	433	A15	481	D16	529	B10						
2	B8	50	D25	98	A13	146	C3	194	C6	242	B4	290	C8	338	C10	386	B8	434	A15	482	D16	530	B10						
3	C8	51	C29	99	A13	147	C3	195	C6	243	B4	291	B11	339	NC	387	B8	435	A15	483	A14	531	B10						
4	C8	52	C29	100	A13	148	C3	196	C6	244	B4	292	C8	340	C10	388	B8	436	A15	484	D16	532	A14						
5	C8	53	C29	101	C29	149	C3	197	B1	245	B4	293	C8	341	C10	389	B8	437	A15	485	A14	533	B10						
6	D17	54	C29	102	C29	150	C3	198	B1	246	B4	294	B11	342	C10	390	B11	438	A16	486	D16	534	B10						
7	B11	55	C29	103	C2	151	C3	199	B1	247	B4	295	B8	343	C10	391	C9	439	A16	487	D16	535	B10						
8	B11	56	C29	104	C2	152	C3	200	B1	248	B4	296	C8	344	C10	392	C12	440	A16	488	D16	536	B10						
9	D29	57	C28	105	D17	153	C4	201	B1	249	B4	297	C8	345	C10	393	B11	441	A16	489	D16	537	B10						
10	D29	58	C28	106	D17	154	C4	202	B1	250	B4	298	B11	346	C10	394	C26	442	A16	490	D16	538	B10						
11	B11	59	C28	107	D18	155	C4	203	B1	251	B4	299	NC	347	C10	395	C26	443	A16	491	NC	539	B10						
12	B11	60	C29	108	C27	156	C4	204	B1	252	B4	300	C8	348	NC	396	C26	444	A16	492	NC	540	B10						
13	B12	61	C29	109	C30	157	C4	205	B1	253	B4	301	NC	349	C10	397	C26	445	A17	493	B8	541	B10						
14	C1	62	C28	110	C30	158	C4	206	B2	254	B4	302	C8	350	C10	398	C26	446	A17	494	NC	542	B10						
15	C1	63	C28	111	C25	159	C4	207	B2	255	B5	303	C8	351	C10	399	C26	447	A17	495	NC	543	B10						
16	D29	64	C28	112	C25	160	C4	208	B2	256	B5	304	C9	352	D17	400	C25	448	A17	496	NC	544	B10						
17	A14	65	C29	113	NC	161	C4	209	B2	257	B5	305	C9	353	C10	401	C25	449	A17	497	NC	545	B10						
18	D18	66	C28	114	C2	162	C4	210	B2	258	B5	306	C8	354	C10	402	C26	450	A18	498	NC	546	B10						
19	D18	67	C29	115	C25	163	C4	211	B2	259	B5	307	C9	355	C10	403	C26	451	A17	499	C30	547	D16						
20	C1	68	C29	116	D30	164	C4	212	B2	260	B5	308	C9	356	C11	404	C25	452	A17	500	B8	548	B10						
21	D30	69	C29	117	C25	165	C4	213	B2	261	B5	309	NC	357	C11	405	C25	453	A17	501	B8	549	B11						
22	D30	70	C29	118	C25	166	C4	214	B2	262	B5	310	D17	358	C11	406	C25	454	D14	502	B9	550	B11						
23	D30	71	NC	119	C25	167	C4	215	B2	263	B5	311	C9	359	A18	407	C25	455	A18	503	B9	551	NC						
24	D30	72	C29	120	C25	168	C5	216	B2	264	B5	312	C9	360	NC	408	B11	456	A18	504	B9	552	NC						
25	D30	73	C29	121	C25	169	C5	217	B2	265	B5	313	C1	361	C11	409	C30	457	A18	505	B9	553	NC						
26	D30	74	C29	122	C25	170	C5	218	B2	266	B5	314	C1	362	C11	410	NC	458	A18	506	B9	554	NC						
27	D30	75	C28	123	C26	171	C5	219	B2	267	B5	315	C1	363	C11	411	A15	459	A18	507	B9	555	NC						
28	D30	76	C30	124	C26	172	C5	220	B2	268	B5	316	C6	364	D25	412	A15	460	A18	508	B9	556	NC						
29	D30	77	C27	125	C26	173	C5	221	B3	269	B5	317	C6	365	NC	413	A16	461	D14	509	B9	557	NC						
30	D30	78	C27	126	C26	174	NC	222	B3	270	D30	318	C6	366	C11	414	A16	462	D14	510	B9	558	NC						
31	D30	79	C27	127	C26	175	C5	223	B3	271	B6	319	NC	367	C11	415	A16	463	D14	511	NC	559	NC						
32	C1	80	C28	128	C26	176	C5	224	B3	272	B6	320	C9	368	NC	416	A17	464	D15	512	NC	560	NC						
33	C1	81	C28	129	C26	177	D17	225	B3	273	B6	321	C9	369	NC	417	A17	465	D15	513	B9	561	NC						
34	C1	82	C28	130	C2	178	C5	226	B3	274	D17	322	NC	370	C29	418	NC	466	D15	514	NC	562	NC						
35	C1	83	C27	131	C2	179	C5	227	B3	275	B6	323	C9	371	C11	419	A15	467	D15	515	D17	563	D14						

(U) Index of Terminals—Servo Computer Assembly																(U) Index of Terminals—Computer Power Supply Group														
Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location							
501	D2	555	D6	609	A4	663	A11	717	A9	771	D10	825	D3	879	D6	801	NC	855	NC	909	NC									
502	D2	556	D6	610	NC	664	A11	718	A8	772	D10	826	D10	880	D6	802	NC	856	NC	910	NC									
503	D2	557	D6	611	A4	665	A11	719	D9	773	A35	827	A1			803	NC	857	NC	911	B26									
504	D2	558	D6	612	A4	666	A11	720	D1	774	A35	828	D9			804	NC	858	B26	912	NC									
505	D2	559	D6	613	A4	667	A10	721	D10	775	A11	829	A9			805	NC	859	NC	913	NC									
506	D2	560	D6	614	A4	668	A10	722	D10	776	A11	830	A9			806	NC	860	NC	914	B27									
507	D3	561	D6	615	A4	669	A11	723	D10	777	D2	831	A6			807	NC	861	B25	915	B26									
508	D3	562	D6	616	A4	670	A11	724	D10	778	NC	832	A3			808	NC	862	B25	916	B35									
509	D3	563	D6	617	A4	671	D8	725	D10	779	D2	833	A2			809	NC	863	B35	917	B26									
510	D3	564	D6	618	A4	672	NC	726	D11	780	A33	834	A5			810	NC	864	B25	918	B27									
511	D3	565	D6	619	NC	673	D8	727	D11	781	A32	835	NC			811	NC	865	B35	919	NC									
512	D3	566	A2	620	D8	674	D8	728	D11	782	D12	836	A2			812	NC	866	B25	920	NC									
513	D3	567	A9	621	A4	675	D9	729	A9	783	A32	837	A1			813	NC	867	B25	921	NC									
514	D3	568	NC	622	A4	676	D9	730	A1	784	D12	838	A4			814	NC	868	B25	922	B26									
515	D3	569	NC	623	A4	677	D8	731	D11	785	NC	839	A9			815	NC	869	C36	923	NC									
516	D3	570	A4	624	A4	678	D9	732	D11	786	NC	840	D2			816	NC	870	NC	924	NC									
517	D3	571	D1	625	A5	679	D9	733	D11	787	NC	841	D2			817	NC	871	NC	925	NC									
518	D3	572	A1	626	A5	680	A32	734	A1	788	NC	842	A9			818	NC	872	NC	926	NC									
519	D10	573	A1	627	A5	681	A11	735	D2	789	NC	843	NC			819	NC	873	NC	927	NC									
520	D3	574	D2	628	A5	682	D9	736	D11	790	NC	844	NC			820	NC	874	NC	928	NC									
521	D3	575	A1	629	NC	683	D9	737	D11	791	D2	845	A8			821	B36	875	NC	929	NC									
522	D4	576	A2	630	NC	684	A11	738	D8	792	D11	846	NC			822	B36	876	NC	930	NC									
523	D4	577	A2	631	A5	685	D9	739	D8	793	A11	847	A2			823	NC	877	NC	931	B26									
524	A2	578	A2	632	A5	686	D9	740	A31	794	A11	848	D6			824	B36	878	B26	932	B26									
525	D4	579	A2	633	A5	687	A32	741	D11	795	A33	849	A4			825	B36	879	NC	933	B26									
526	D4	580	NC	634	A5	688	A32	742	A32	796	A8	850	A10			826	NC	880	NC	934	NC									
527	D4	581	A2	635	A5	689	A32	743	D11	797	A36	851	NC			827	B36	881	NC	935	B27									
528	D4	582	A9	636	A5	690	A32	744	D11	798	NC	852	NC			828	B36	882	NC	936	B27									
529	D4	583	A9	637	A5	691	A36	745	A1	799	D10	853	NC			829	B36	883	NC	937	B27									
530	D4	584	A2	638	A5	692	A36	746	D11	800	D10	854	NC			830	B36	884	NC	938	NC									
531	D4	585	D8	639	NC	693	D9	747	D11	801	A35	855	A10			831	B25	885	NC	939	NC									
532	D4	586	A2	640	NC	694	D9	748	A33	802	D1	856	NC			832	NC	886	NC	940	NC									
533	D4	587	A2	641	A6	695	A8	749	A31	803	A1	857	A6			833	B35	887	NC											
534	D4	588	A2	642	NC	696	A11	750	D11	804	D1	858	NC			834	B25	888	B26											
535	D4	589	A2	643	D4	697	D9	751	A8	805	D1	859	A10			835	NC	889	B26											
536	D4	590	NC	644	D5	698	D9	752	A8	806	D1	860	A10			836	NC	890	B26											
537	D4	591	A3	645	D8	699	A36	753	A8	807	D2	861	A10			837	B25	891	NC											
538	D5	592	A3	646	A5	700	A36	754	A8	808	A11	862	A10			838	NC	892	B25											
539	D5	593	A3	647	A5	701	D9	755	A8	809	A31	863	D10			839	B25	893	B25											
540	D5	594	A3	648	A6	702	D9	756	A8	810	A31	864	A9			840	B26	894	NC											
541	D5	595	A3	649	A6	703	D9	757	A8	811	A11	865	A9			841	B35	895	B25											
542	A9	596	A3	650	A9	704	D10	758	A8	812	A32	866	A10			842	B35	896	NC											
543	A9	597	A3	651	A6	705	D10	759	A35	813	A32	867	A10			843	B35	897	NC											
544	A9	598	A3	652	A6	706	D10	760	A11	814	A32	868	A10			844	B26	898	B27											
545	D5	599	A3	653	A6	707	A32	761	A11	815	A11	869	A9			845	B35	899	B25											
546	D5	600	D5	654	A6	708	A32	762	A33	816	D8	870	A10			846	B35	900	B25											
547	A10	601	A10	655	A6	709	A32	763	A35	817	D1	871	A9			847	B35	901	B26											
548	D5	602	A10	656	A6	710	A32	764	A35	818	D2	872	A10			848	NC	902	B25											
549	D5	603	A10	657	D8	711	D10	765	A35	819	A3	873	A10			849	B35	903	B25											
550	D5	604	A10	658	D8	712	D10	766	A11	820	A1	874	D1			850	NC	904	NC											
551	D5	605	A3	659	A9	713	D10	767	A33	821	A6	875	D1			851	B25	905	NC											
552	D5	606	A3	660	A10	714	D10	768	D10	822	A9	876	D1			852	NC	906	NC											
553	D5	607	A3	661	A11	715	D10	769	NC	823	A9	877	D1			853	B25	907	B25											
554	D5	608	A3	662	A11	716	NC	770	NC	824	D1	878	D6			854	NC	908	NC											

(U) Index of Terminals—Battery Control Interconnecting Box														(U) Index of Terminals—Auxiliary Acquisition Interconnecting Box													
Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location
1	NC	55	A47	109	NC	163	NC	217	C32	271	NC	1	B58	55	B56	109	NC	163	NC	2	A58	56	NC	110	NC	164	NC
2	NC	56	NC	110	NC	164	NC	218	C32	272	NC	2	A58	56	NC	110	NC	164	NC	3	A58	57	NC	111	B56	165	NC
3	NC	57	D31	111	NC	165	NC	219	C32	273	A45	3	A58	57	NC	111	B56	165	NC	4	A55	58	NC	112	B56	166	NC
4	NC	58	D31	112	B27	166	NC	220	C34	274	A45	4	A55	59	NC	113	B56	167	NC	5	C33	59	NC	113	B56	167	NC
6	C33	60	C33	114	NC	168	NC	222	C32	276	A46	6	NC	60	NC	114	B56	168	NC	7	C34	61	C33	115	B56	169	NC
8	NC	62	NC	116	B27	170	NC	224	A43	278	NC	8	NC	62	A58	116	B56	170	B79	9	NC	63	D31	117	B56	171	NC
10	NC	64	D31	118	B28	172	B29	226	NC	280	A44	10	NC	64	A58	118	B56	172	NC	11	B37	65	D31	119	B56	173	NC
12	NC	66	D31	120	NC	174	NC	228	C33	282	A52	12	B58	66	NC	120	B56	174	NC	13	D31	67	D31	121	NC	175	NC
14	NC	68	D31	122	B28	176	B29	230	B40	284	B40	14	B57	68	B58	122	NC	176	NC	15	C34	69	C33	123	B28	177	NC
16	NC	70	C33	124	B30	178	NC	232	B40	286	A47	16	B57	70	B57	124	NC	178	NC	17	C34	71	NC	125	B28	179	NC
18	C34	72	A44	126	B28	180	NC	234	A45	288	B30	18	B57	72	B79	126	NC	180	NC	19	NC	73	A45	127	B28	181	NC
20	C34	74	NC	128	B30	182	B27	236	A45	290	B30	20	B57	74	NC	128	NC	182	NC	21	C34	75	NC	129	B30	183	NC
22	C34	76	NC	130	B28	184	NC	238	NC	292	B30	22	A58	76	NC	130	NC	184	NC	23	C34	77	NC	131	NC	185	NC
24	C34	78	NC	132	NC	186	NC	240	B27	294	A53	24	NC	78	NC	132	NC	186	NC	25	NC	79	NC	133	B56	187	NC
26	A47	80	NC	134	NC	188	B29	242	NC	296	A47	26	NC	80	NC	134	B79	188	NC	27	NC	81	B38	135	NC	189	NC
28	NC	82	B38	136	NC	190	B27	244	B38	298	B40	28	NC	82	NC	136	NC	190	NC	29	NC	83	B38	137	NC	191	C79
30	NC	84	B39	138	NC	192	B30	246	C32	300	A51	30	NC	84	NC	138	NC	192	NC	31	NC	85	B38	139	NC	193	C79
32	C32	86	B39	140	NC	194	B30	248	C33	302	NC	32	NC	86	NC	140	NC	194	B79	33	C32	87	B39	141	NC	195	C79
34	NC	88	B38	142	B28	196	NC	250	B40	304	A49	34	NC	88	NC	142	NC	196	C79	35	NC	89	B38	143	B28	197	C79
36	NC	90	B38	144	NC	198	A48	252	NC	306	A53	36	NC	90	NC	144	NC	198	C79	37	NC	91	NC	145	B28	199	B79
38	NC	92	B38	146	B28	200	A50	254	NC	308	NC	38	NC	92	NC	146	B58	200	C79	39	NC	93	B39	147	NC	201	C79
40	NC	94	B39	148	B28	202	A46	256	B27	310	A50	40	NC	94	NC	148	NC	202	C79	41	C32	95	B27	149	B29	203	C79
42	C33	96	B38	150	NC	204	NC	258	NC	312	B40	42	NC	96	NC	150	NC	204	C79	43	C32	97	B27	151	NC	205	NC
44	NC	98	B38	152	B29	206	A46	260	C34	314	B40	44	NC	98	NC	152	NC	206	NC	45	NC	99	C32	153	B29	207	NC
46	A50	100	B38	154	B29	208	A44	262	B40	316	C31	46	A55	100	NC	154	NC	208	B79	47	A50	101	NC	155	NC	209	B79
48	NC	102	NC	156	B29	210	A46	264	B41	318	C31	48	B57	102	NC	156	NC	210	B79	49	C33	103	NC	157	B29	211	C79
50	C33	104	NC	158	B30	212	C33	266	NC	320	A51	50	B57	104	NC	158	NC			51	A46	105	NC	159	NC		
52	NC	106	NC	160	B29	214	NC	268	B41			52	B57	106	NC	160	NC			53	NC	107	A44	161	B30	215	NC
54	C32	108	A44	162	NC	216	A43	270	B41			54	B56	108	NC	162	NC										

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(U) Index of Terminals—Battery Control Interconnecting Box Housing						(U) Index of Terminals—Battery Control Console																							
Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location
TB31-1T	B53	TY1-13	D44	TY2-15	C49	1	C64	55	B67	109	C32	163	C57	217	B16	271	C16	325	C58	379	C17	433	NC						
-1R	B53	-14	NC	-16	C49	2	C64	56	C68	110	C32	164	C57	218	B17	272	C16	326	B68	380	C17	434	B75						
-2T	B53	-15	D44	-17	C49	3	C64	57	C68	111	C32	165	C57	219	B17	273	C16	327	NC	381	C66	435	B74						
-2R	C53	-16	D46	-18	C49	4	B64	58	C68	112	C32	166	C57	220	B15	274	C16	328	NC	382	C66	436	NC						
-3T	B53	-17	D46	-19	C49	5	B64	59	C63	113	B14	167	C57	221	B17	275	B57	329	NC	383	C18	437	NC						
-3R	B53	-18	D46	-20	NC	6	B64	60	B56	114	B14	168	C57	222	B17	276	B31	330	NC	384	B14	438	B74						
-4T	B53	-19	D46	-21	NC	7	B64	61	C63	115	C32	169	C57	223	B17	277	C16	331	C65	385	C18	439	B74						
-4R	B53	-20	D47	-22	A49	8	B64	62	C63	116	C32	170	C57	224	B34	278	C64	332	C65	386	C18	440	B74						
-5T	B53	-21	D47	-23	A49	9	B64	63	C63	117	C33	171	C57	225	B34	279	C65	333	C65	387	C56	441	B76						
-5R	B53	-22	D44	-24	A50	10	B64	64	C63	118	C33	172	B13	226	B34	280	C65	334	NC	388	C56	442	B76						
-6T	C53	-23	D47	-25	A50	11	B64	65	C63	119	C33	173	C57	227	B56	281	B32	335	C65	389	C56	443	D79						
-6R	C53	-24	C50	-26	C44	12	B64	66	C63	120	C33	174	B68	228	B56	282	B14	336	C65	390	C56	444	B76						
-7T	C53	-25	C50	-27	A44	13	B64	67	C63	121	C33	175	B68	229	B33	283	C16	337	C65	391	C63	445	B76						
-7R	C53	-26	C51	-28	B44	14	B64	68	C63	122	C33	176	B68	230	B33	284	NC	338	NC	392	C63	446	B76						
-8T	C53	-27	C51	-29	B44	15	B64	69	C58	123	C33	177	C57	231	B32	285	C16	339	C65	393	NC	447	B76						
-8R	C53	-28	A51	-30	B44	16	B64	70	C63	124	C33	178	C57	232	B32	286	C16	340	C66	394	B55	448	B76						
-9T	C53	-29	A51	-31	C49	17	B65	71	C13	125	C33	179	C57	233	B32	287	C16	341	B67	395	B55	449	D79						
-9R	C53	-30	A50	-32	C50	18	B65	72	C13	126	C33	180	B18	234	C14	288	C16	342	B67	396	C55	450	D79						
-10T	C53	-31	A50	-33	C50	19	B65	73	B63	127	C33	181	B15	235	B14	289	B57	343	B67	397	C55	451	C14						
-10R	C53	-32	A51	-34	C50	20	B65	74	C56	128	C33	182	B15	236	C64	290	B57	344	B68	398	C55	452	C13						
-11T	C53	-33	A51	-35	B44	21	B65	75	C18	129	C33	183	B16	237	B33	291	B33	345	B68	399	C55	453	C13						
-11R	C53	-34	C51	-36	B44	22	B65	76	B13	130	C64	184	B16	238	C14	292	B31	346	B68	400	C55	454	C14						
-12T	C53	-35	C51	-37	B44	23	B65	77	C18	131	B14	185	B17	239	C14	293	C16	347	NC	401	C31	455	C14						
-12R	C53	-36	C51	-38	A51	24	B65	78	C13	132	B75	186	B16	240	C14	294	NC	348	C66	402	C31	456	C14						
-13T	NC	-37	C51	-39	NC	25	B65	79	C32	133	C33	187	B17	241	B18	295	NC	349	NC	403	C31	457	C14						
-13R	NC	-38	C51	-40	A51	26	B65	80	C32	134	C33	188	B18	242	B18	296	B68	350	C66	404	C31	458	C14						
-14T	C53	-39	NC	-41	A51	27	B65	81	C32	135	C34	189	B18	243	B18	297	C65	351	NC	405	C55	459	NC						
-14R	C53	-40	C52	-42	A52	28	B58	82	C32	136	B63	190	C18	244	B18	298	B56	352	NC	406	C56	460	NC						
-15T	B53	-41	C52	-43	A52	29	D79	83	C64	137	B63	191	B15	245	B18	299	B33	353	NC	407	C56								
-15R	B53	-42	C52	-44	A52	30	B65	84	C64	138	B63	192	B15	246	B18	300	C65	354	NC	408	NC								
-16T	B53	-43	C52	-45	A52	31	B63	85	C64	139	C34	193	B16	247	C14	301	B66	355	NC	409	NC								
-16R	B53	-44	C52	-46	A52	32	B63	86	B58	140	C34	194	B16	248	C14	302	B58	356	NC	410	NC								
-17T	B53	-45	C52	-47	NC	33	B63	87	B58	141	C34	195	B17	249	C14	303	C63	357	C17	411	B75								
-17R	B53	-46	C53	-48	NC	34	B63	88	B58	142	C34	196	B16	250	C15	304	C65	358	B13	412	B74								
-18T	B53	-47	C53	-49	C44</																								

(U) Index of Terminals—Auxiliary Acquisition Control Interconnecting Group												(U) Index of Terminals—Recorder Group											
Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location	Terminal	Location
1	D74	55	NC	109	Note 5	163	NC	217	C76	271	NC	1	D47	55	D53	109	D56	163	D50				
2	D74	56	NC	110	Note 5	164	Note 5	218	C76	272	NC	2	D47	56	D53	110	D55	164	D50				
3	D74	57	NC	111	C77	165	C75	219	C74	273	NC	3	D47	57	D52	111	D55	165	NC				
4	D74	58	NC	112	C77	166	D77	220	C75	274	NC	4	D47	58	D52	112	D55	166	NC				
5	D74	59	NC	113	C77	167	NC	221	C73	275	NC	5	D50	59	D52	113	D55	167	NC				
6	D74	60	NC	114	C77	168	C73	222	C73	276	NC	6	D51	60	D52	114	NC	168	NC				
7	NC	61	NC	115	C77	169	D77	223	C73	277	NC	7	C40	61	D52	115	D58	169	NC				
8	NC	62	NC	116	C77	170	C76	224	D74	278	NC	8	C40	62	D52	116	D40	170	NC				
9	NC	63	NC	117	C77	171	D74	225	D74	279	NC	9	D51	63	D52	117	D55	171	C40				
10	NC	64	NC	118	C77	172	D74	226	D75	280	NC	10	D51	64	D51	118	D40	172	C40				
11	NC	65	NC	119	C77	173	D74	227	Note 5	281	D81	11	D58	65	NC	119	NC	173	C40				
12	NC	66	NC	120	C78	174	NC	228	Note 5	282	NC	12	D57	66	NC	120	C42	174	C40				
13	NC	67	NC	121	Note 5	175	C75	229	Note 5	283	D81	13	D57	67	D57	121	D42	175	D56				
14	NC	68	NC	122	Note 5	176	C75	230	C74	284	NC	14	D57	68	NC	122	D42	176	D56				
15	NC	69	NC	123	Note 5	177	Note 5	231	D75	285	D81	15	D57	69	NC	123	D42	177	NC				
16	NC	70	NC	124	Note 5	178	Note 5	232	D75	286	NC	16	D57	70	NC	124	D42	178	NC				
17	NC	71	NC	125	Note 5	179	Note 5	233	D75	287	D81	17	D49	71	NC	125	D42	179	NC				
18	NC	72	NC	126	Note 5	180	C77	234	D75	288	NC	18	D50	72	NC	126	D56	180	NC				
19	NC	73	NC	127	Note 5	181	D77	235	D75	289	D81	19	C42	73	NC	127	D42	181	NC				
20	NC	74	NC	128	Note 5	182	D78	236	Note 5	290	NC	20	C42	74	NC	128	D42	182	NC				
21	NC	75	NC	129	Note 5	183	D78	237	Note 5	291	NC	21	D44	75	NC	129	D42	183	NC				
22	NC	76	NC	130	Note 5	184	D77	238	C77	292	NC	22	D45	76	D57	130	D42	184	NC				
23	NC	77	NC	131	Note 5	185	C77	239	C73	293	NC	23	D45	77	D57	131	D56	185	NC				
24	NC	78	NC	132	Note 5	186	C77	240	C74	294	NC	24	D45	78	D57	132	D42	186	NC				
25	NC	79	NC	133	Note 5	187	C77	241	C74	295	NC	25	NC	79	D50	133	NC	187	NC				
26	NC	80	NC	134	NC	188	D78	242	C74	296	NC	26	D46	80	C41	134	D42	188	NC				
27	NC	81	NC	135	NC	189	D77	243	C74	297	D80	27	D46	81	D46	135	D56	189	NC				
28	NC	82	NC	136	NC	190	D78	244	C74	298	NC	28	D47	82	D46	136	C40	190	NC				
29	NC	83	NC	137	Note 5	191	D78	245	C74	299	D81	29	D57	83	NC	137	D56	191	NC				
30	NC	84	NC	138	Note 5	192	D78	246	C74	300	D81	30	D50	84	NC	138	C40	192	NC				
31	NC	85	NC	139	Note 5	193	D78	247	C74	301	D81	31	C41	85	D58	139	D56	193	NC				
32	NC	86	C73	140	NC	194	D78	248	C74	302	D81	32	D57	86	D58	140	D56	194	NC				
33	NC	87	NC	141	Note 5	195	D78	249	C74	303	D81	33	D46	87	D58	141	C40	195	NC				
34	NC	88	NC	142	Note 5	196	D78	250	C74	304	D81	34	D46	88	NC	142	C40	196	NC				
35	NC	89	NC	143	Note 5	197	D78	251	C74	305	NC	35	D57	89	D58	143	C41	197	NC				
36	NC	90	NC	144	NC	198	D74	252	C78	306	NC	36	D57	90	D58	144	C41	198	NC				
37	NC	91	C73	145	Note 5	199	D74	253	C78	307	NC	37	D51	91	D44	145	C41	199	NC				
38	NC	92	C73	146	Note 5	200	NC	254	C78	308	NC	38	D51	92	D58	146	C41	200	NC				
39	NC	93	D73	147	Note 5	201	C75	255	C78	309	D81	39	D51	93	D57	147	C41						
40	NC	94	Note 5	148	Note 5	202	C75	256	D75	310	D80	40	D51	94	D57	148	C40						
41	NC	95	Note 5	149	Note 5	203	C75	257	D75	311	NC	41	D53	95	D40	149	C40						
42	NC	96	Note 5	150	Note 5	204	C75	258	C75	312	NC	42	D53	96	D47	150	C40						
43	NC	97	Note 5	151	C78	205	C75	259	C73	313	NC	43	D44	97	D47	151	C40						

(U) Index of Terminals—Director Station Group

(U) Index of Terminals—
Utility Cabinet

Terminal	Location																
1	NC	55	NC	109	NC	163	A68	217	D75	1181	A68	TB1-1	NC				
2	NC	56	A67	110	NC	164	NC	218	D75	1182	D39	TB1-2	D21				
3	NC	57	NC	111	A64	165	NC	219	D75	1183	A68	TB1-3	NC				
4	D69	58	A67	112	A64	166	A66	220	NC	1184	D39	TB1-4	NC				
5	D63	59	NC	113	A64	167	D65	221	NC			TB1-5	D21				
6	NC	60	A67	114	A66	168	D65	222	NC	EG-1	NC	TB1-6	D21				
7	D62	61	D82	115	A66	169	D65	223	NC	-2	NC						
8	NC	62	D64	116	A66	170	D65	224	NC	-3	NC						
9	NC	63	D65	117	D64	171	D66	225	NC	-4	D82						
10	NC	64	D65	118	A65	172	D66	226	NC	-5	D63						
11	NC	65	D65	119	A66	173	D66	227	NC	-6	D38						
12	NC	66	D39	120	A65	174	A65	228	NC	-7	D38						
13	NC	67	A67	121	NC	175	D66	229	NC	-8	D38						
14	NC	68	C38	122	NC	176	D66	230	NC	-9	D38						
15	NC	69	C38	123	NC	177	D65	231	NC	-10	D38						
16	NC	70	D37	124	NC	178	NC	232	NC	-11	D38						
17	C38	71	C39	125	NC	179	NC	233	NC	-12	D64						
18	D64	72	C39	126	A66	180	NC	234	D76	-13	D38						
19	NC	73	D37	127	A66	181	NC	235	NC	-14	D38						
20	C38	74	A65	128	D85	182	NC	236	NC	-15	D82						
21	NC	75	C38	129	A64	183	NC	237	NC								
22	D63	76	C38	130	A64	184	NC	238	NC	EN-1	NC						
23	NC	77	D37	131	A65	185	NC	239	NC	-2	D62						
24	NC	78	D37	132	A66	186	NC	240	NC	-3	D38						
25	D64	79	D64	133	A66	187	NC	241	D74	-4	D38						
26	D64	80	A68	134	A66	188	NC	242	D74	-5	D63						
27	D64	81	D65	135	A64	189	NC	243	D74	-6	D38						
28	NC	82	A68	136	A66	190	NC	244	D74	-7	D39						
29	A63	83	A68	137	A65	191	NC	245	D74	-8	D39						
30	D63	84	A68	138	A64	192	NC	246	D75	-9	D69						
31	NC	85	NC	139	A67	193	NC	247	NC	-10	D69						
32	D69	86	D82	140	A65	194	NC	248	NC	-11	D62						
33	D37	87	A65	141	A67	195	NC	249	NC	-12	D38						
34	D37	88	A65	142	A67	196	NC	250	NC	-13	D38						
35	NC	89	A65	143	A67	197	NC	251	D76	-14	NC						
36	NC	90	A64	144	A67	198	NC	252	D75	-15	NC						
37	D62	91	C38	145	D65	199	NC	253	D75								
38	NC	92	NC	146	D69	200	NC	254	D75								
39	D64	93	NC	147	D65	201	NC	255	D75								
40	NC	94	D64	148	NC	202	NC	256	D76								
41	NC	95	A65	149	C37	203	NC	257	D76								
42	D69	96	D82	150	C37	204	NC	258	D76								
43	D64	97	D63	151	A63	205	NC	259	D76								
44	D39	98	A64	152	A63	206	NC	260	D76								
45	D63	99	A64	153	A63	207	NC	261	D74								
46	D62	100	A64	154	A63	208	NC	262	D74								
47	A64	101	D63	155	A63	209	NC	263	D74								
48	NC	102	NC	156	D69	210	NC	264	D74								
49	NC	103	D37	157	NC	211	NC	265	D74								
50	NC	104	D37	158	NC	212	NC	266	D74								
51	D65	105	NC	159	D63	213	NC	267	NC								
52	D69	106	A64	160	D63	214	D75	268	NC								
53	NC	107	A65	161	A68	215	D74	269	NC								
54	D62	108	A65	162	A68	216	D74	270	NC								

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(U) Trailer Mounted Director Station 9998059—Apparatus List

Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ±%	Watts	Volts		
A1					9000324	GS-19556
A2					9000326	GS-19559
A3					9995970	GS-67476
A4					8010350	GS-15568
A5					8010602	GS-15524
A6					9996460	GS-67478
A7					8517797	GS-18189
A8					8512908	GS-18138
A9					9005423	
A10					8010134	GS-55095
C301	4	10	600		7593727	Part of A10
C302, C303	2	10	600		7593726	Part of A10
CR302					8024363	Part of A10
I301					7653456	Part of A10
L301, L302					8007179	Part of A10
T301					8007193	Part of A10
TB301					8175113	Part of A10
A11					9995968	GS-67473
A12					9156093	GS-61811
A13					8513740	GS-18177
TB31					8008374	Part of A13
TY1, TY2					8008998	Part of A13
A14					9005301	GS-19543
A15					MX-1995/TPA-3	None
A16					9996308	GS-67553
I2D					572994	
I9A-1		25	120		8330088	
I9A-2		6	120		8328090	
I9B-1		25	120		8330088	
I9B-2		6	120		8328090	
I9C-1		25	120		8330088	
I9C-2		6	120		8328090	
I9D-1		25	120		8330088	
I9D-2		6	120		8328090	
I9E-1		25	120		8330088	
I9E-2		6	120		8328090	
I9F-1		25	120		8330088	
I9F-2		6	120		8328090	
I10A-1		6	120		8338088	
I10A-2			28		193048	
I10B-1		6	120		8338088	
I10B-2			28		193048	
I11A thru		8			8331295	
I11E						
J9					7720490	
J22					8175623	
P1					9150435	
P2 thru P4					9144413	
P5, P6					9150435	
P7					9144413	
P9					9144413	
P10					9150435	
P11 thru P16					9144413	
P19 thru P28					9144413	
P30					9144413	
P35, P36					9144413	
P41					8019387	

(U) Trailer Mounted Director Station 9998059—Apparatus List—Continued

Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ±%	Watts	Volts		
P50					9144413	
P54					9144413	
P55					9150387	
P56					9144413	
P57					9150387	
P75					9144413	
P93					9144413	
P101					MS3106A22-14S	
P113, P114					9144413	
P117					9144413	
P201					MS35170-260C	
P203					907192	
P204					MS35170-260C	
P205					MS3106A22-14P	
P206					MS3106A14S-7P	
P207					9007236	
S1					7602615	
S4					MS35100-3	
S5					8019910	
S6					502688	
S9					MS35059-17	
TB4					7619754	
TB6A					8219431	
TB7A					8219432	
TB8A thru					8219433	
TB8H						

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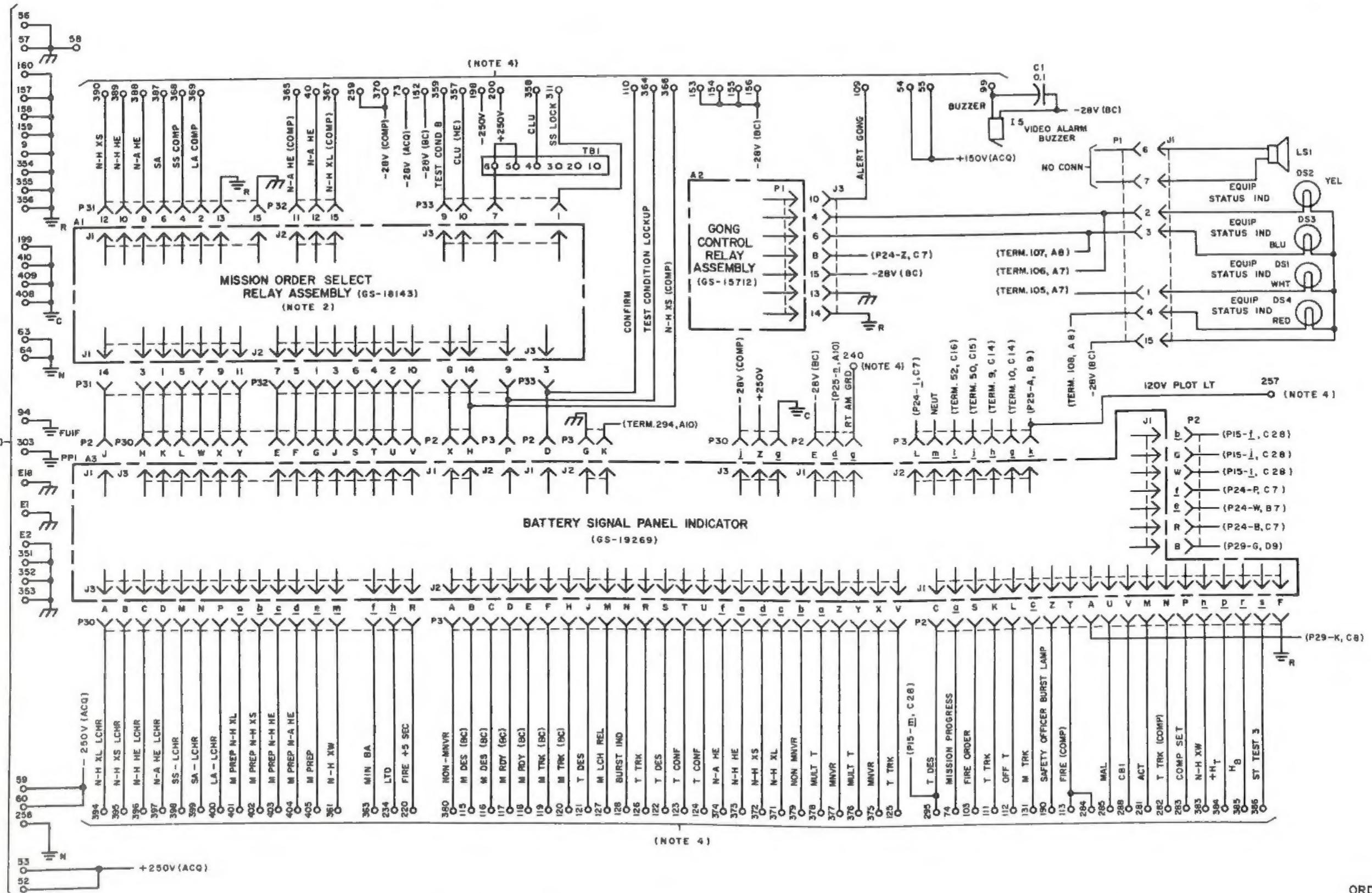


Figure 71 (U). Battery control console 9995970—schematic diagram (sheet 1 of 7) (U).

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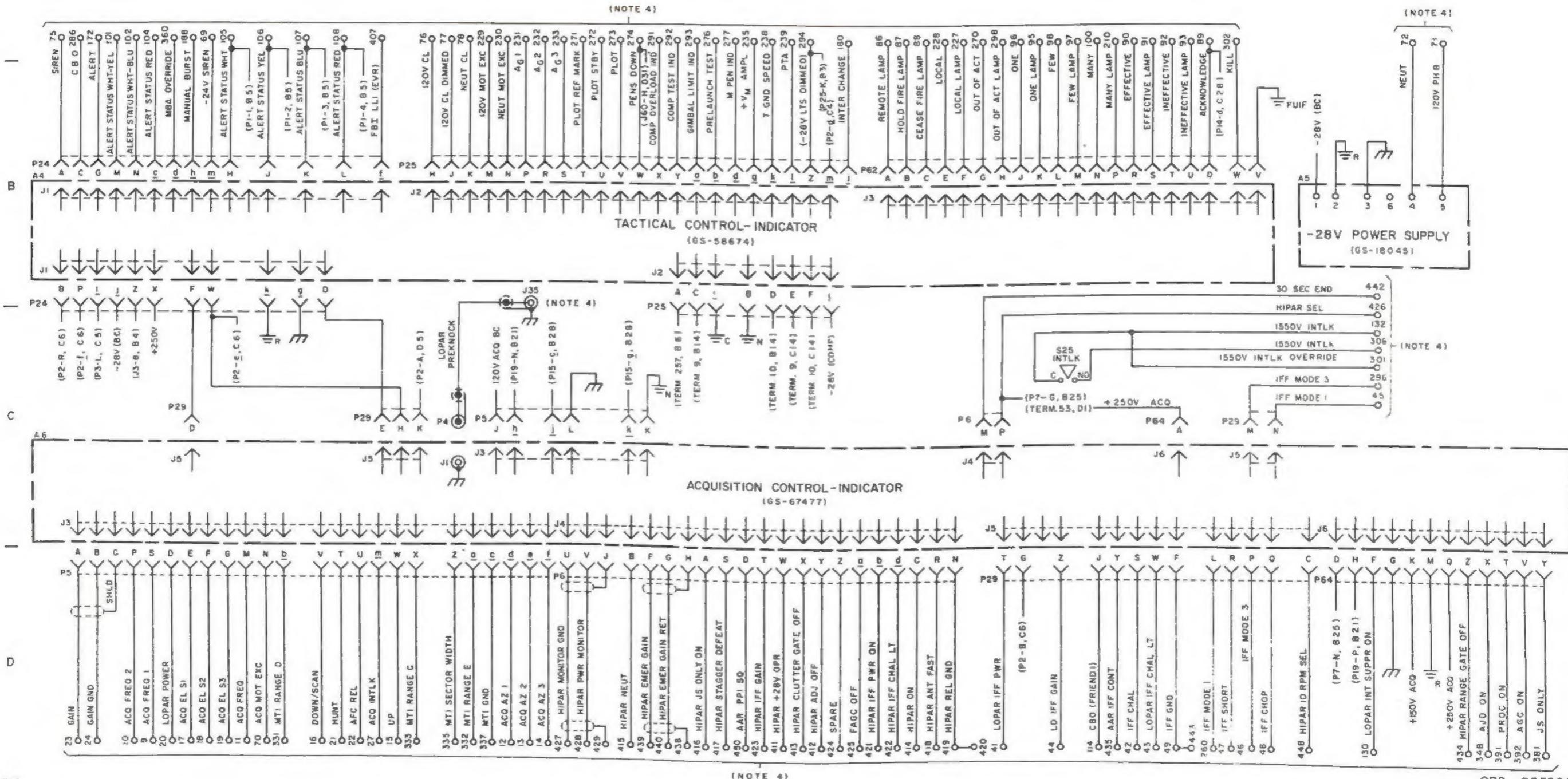


Figure 71 (U). Continued (sheet 2 of 7).

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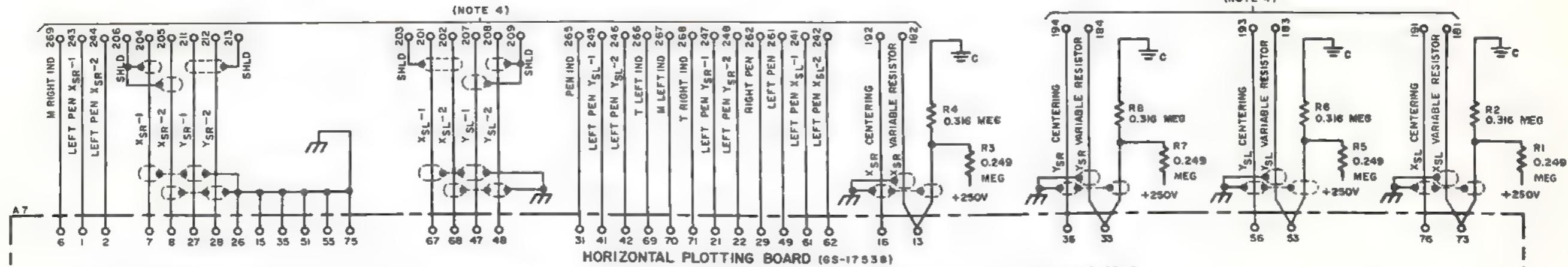
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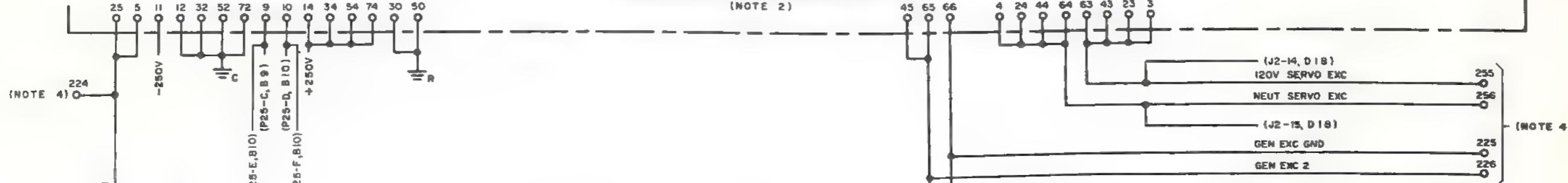
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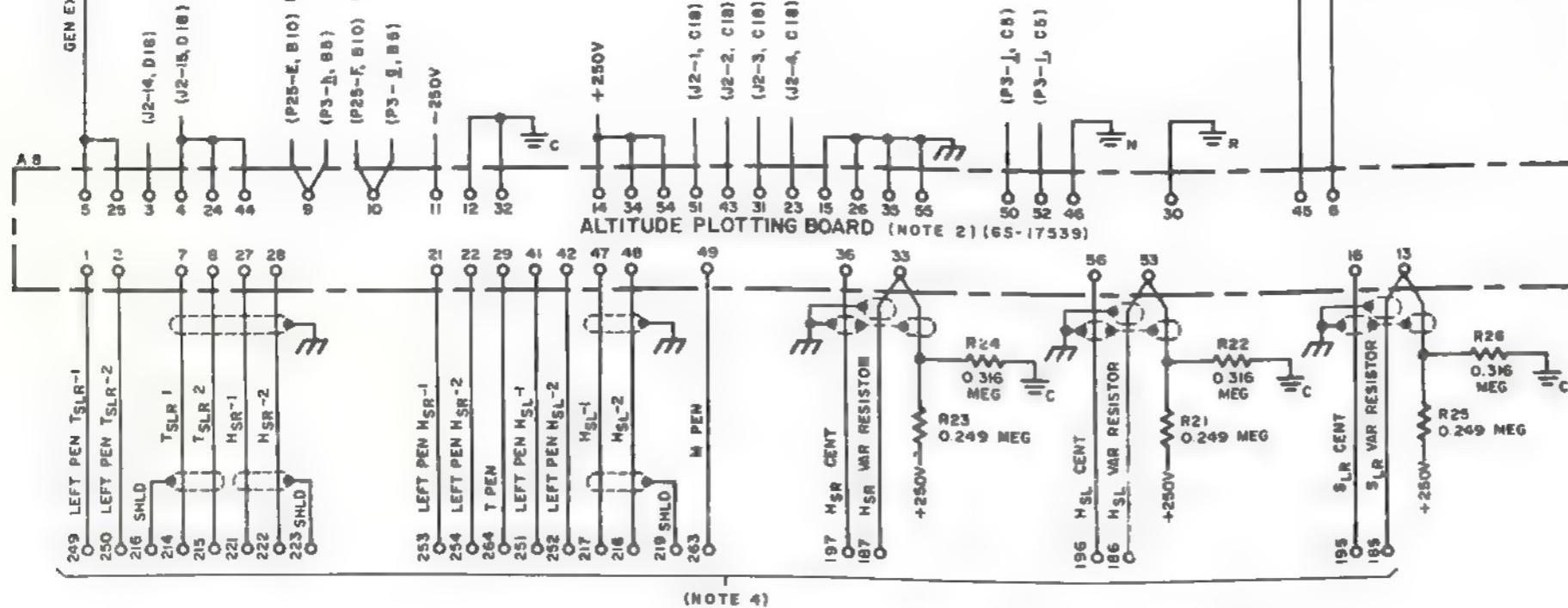
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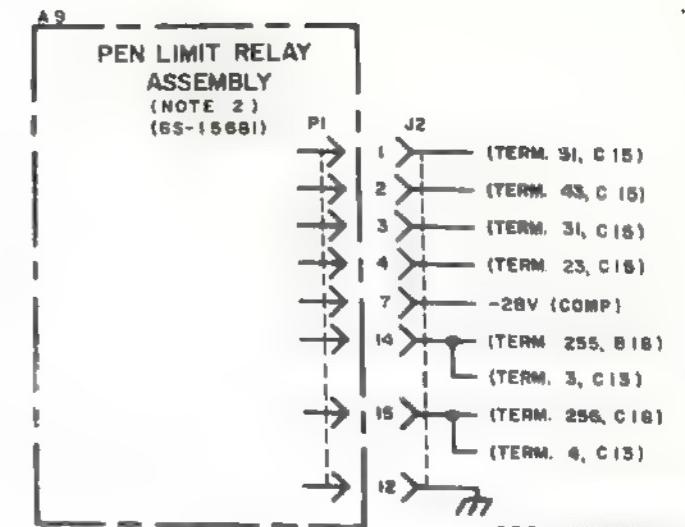


Figure 71 (U). Continued (sheet 3 of 7).

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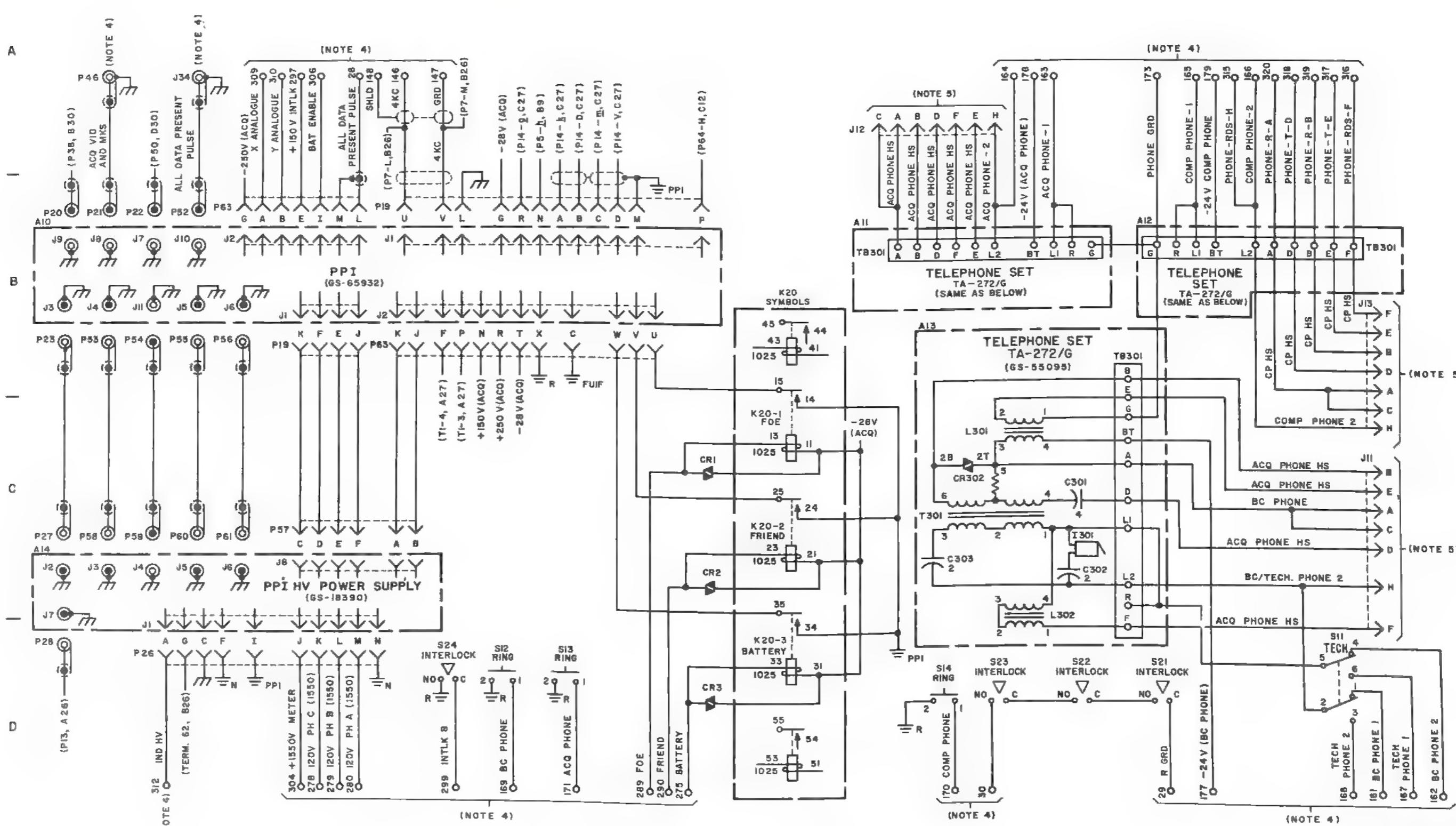


Figure 71 (U). Continued (sheet 4 of 7).

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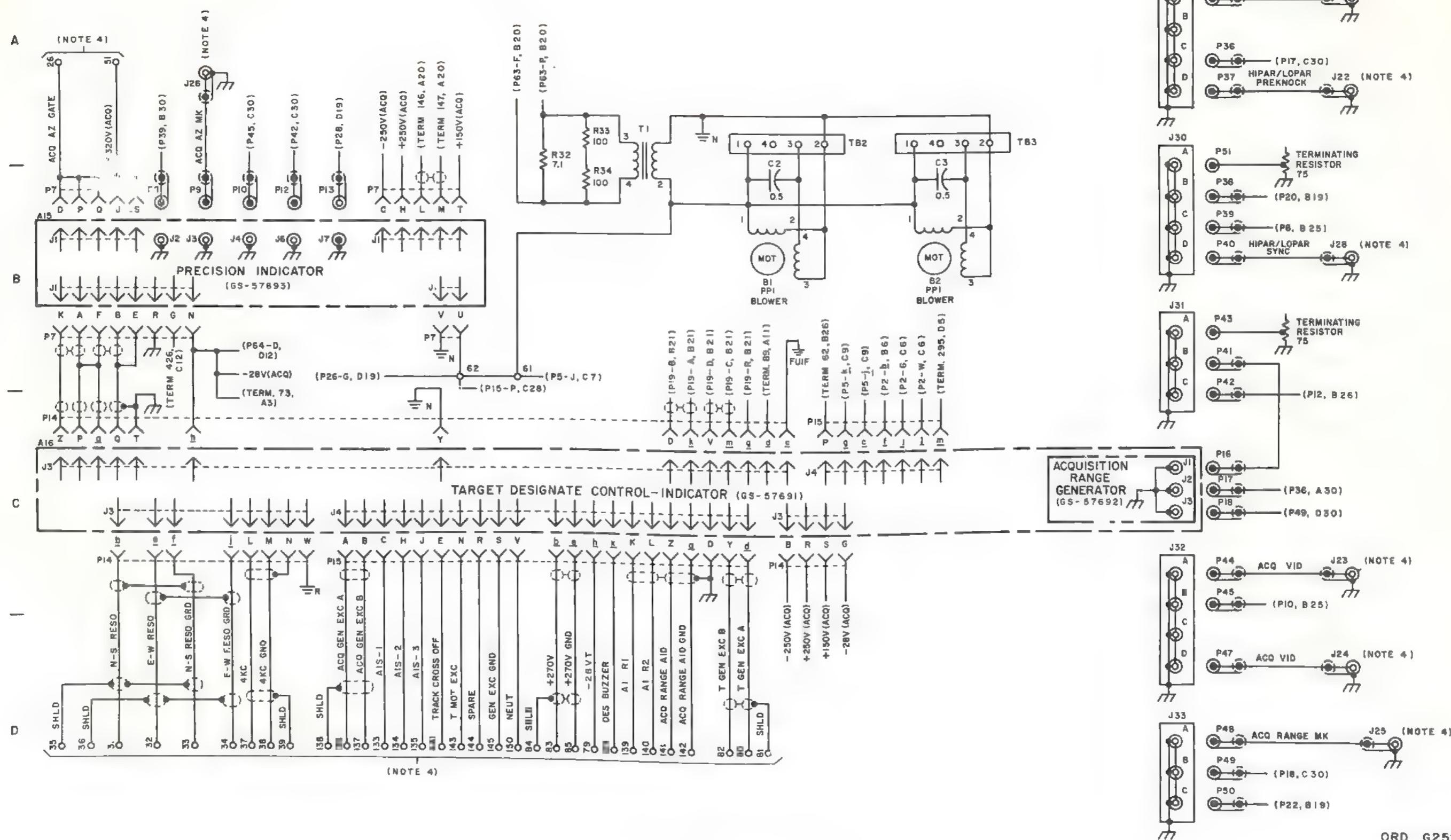
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■ Figure 71 (U). Continued (sheet 5 of 7).

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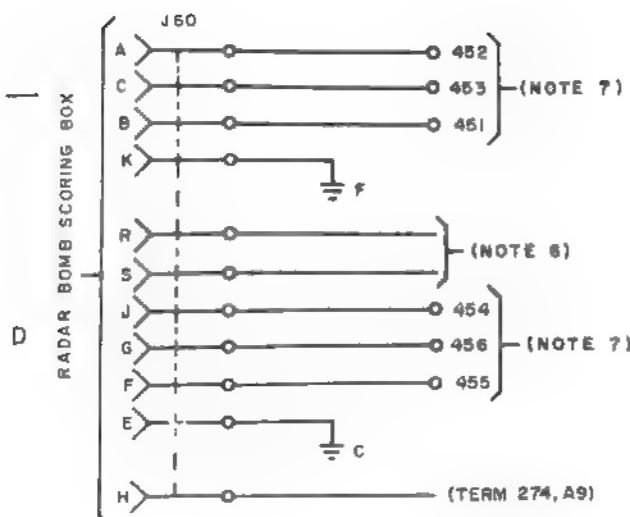


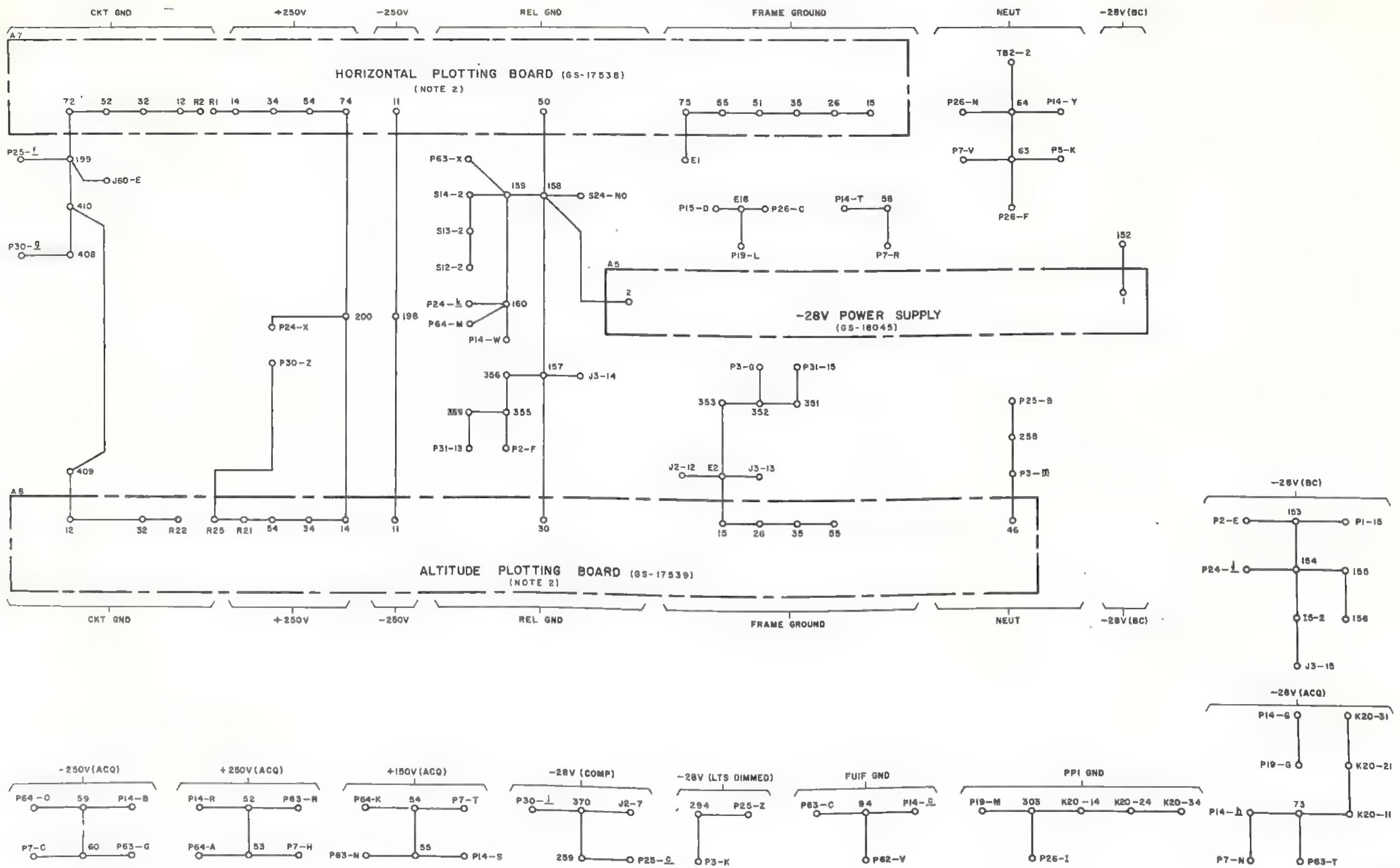
Figure 71 (U). Continued (sheet 6 of 7).

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NOTES:

- 1. ALL VALUES ARE EXPRESSED IN OHMS OR MICROFARADS UNLESS OTHERWISE INDICATED
- 2. REFER TO TM 9-1430-258-20
- 3. UNUSED FACILITIES NOT SHOWN IN BODY OF SCHEMATIC ARE FOLLOWS:
 - J1-5, 8-14
 - J2-5, 6, 8-11, 13
 - J3-1, 2, 3, 5, 7, 9, 11, 12
 - J11-J, K, L,
 - J12-J, K, L,
 - J13-J, K, L,
 - J60-D, L, M, N, P, T
 - P1-5, 14
 - P2-Y, h, j, k, m
 - P3-W
 - P5-Q, R, Y, g
 - P6-E, K, L, S
 - P14-A, C, E, F, H, J, K, U, X
 - P15-F, G, M, T, U, W, X
 - P19-H, Q, S, T, W, X
 - P24-E, R, S, T, U, V, Y, g, b, e
 - P25-G, L, g, h
 - P26-B, D, E, H
 - P29-A, B, U, V, X
 - P30-L, k
 - P32-I3
 - P33-1, 2, 4, 5, 6, 8, 11, 12, 13, 14, 15
 - P57-G
 - P62-X, Y, Z, g, b, e, d, e, f, g, h, l, b, l, m
 - P63-D, H, Q, S, Y
 - P64-B, C, E, J, L, M, P, R, S, U, W
 - TB1-7, 8, 9, 10, 11, 12
 - TB2-5, 6, 7, 8, 9, 10
 - TB3-5, 6, 7, 8, 9, 10
- 4. REFER TO SCHEMATIC OF TRAILER MOUNTED DIRECTOR STATION 9995201 (GS-67471)
- 5. REFER TO TM 9-1400-251-12
- 6. FUTURE CONNECTION TO TELEPHONE CIRCUIT
- 7. REFER TO SCHEMATIC OF COMPUTER AMPLIFIER-RELAY GROUP (GS-19559)

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■ Figure 71 (U). Continued (sheet 7 of 7)

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I (U) INDEX OF TERMINALS

TERMINAL	LOCATION																		
1	NC	55	A5	109	A4	163	A23	217	D14	271	A9	325	NC	379	D4	433	NC		
2	A1	56	A1	110	A3	164	A22	218	D14	272	A9	326	NC	380	D3	434	D12		
3	NC	57	D1	111	D5	165	A23	219	D15	273	A9	327	NC	381	D12	435	D11		
4	NC	58	D1	112	D5	166	A23	220	D3	274	A9	328	NC	382	NC	436	NC		
5	NC	59	D1	113	D5	167	D24	221	D14	275	D21	329	NC	383	D6	437	NC		
6	NC	60	D1	114	D11	168	D24	222	D14	276	A9	330	NC	384	D6	438	D9		
7	NC	61	B27	115	D3	169	D20	223	D14	277	A9	331	D8	385	D6	439	D9		
8	NC	62	B26	116	D3	170	D22	224	B13	278	D20	332	D8	386	D6	440	D9		
9	D7	63	B1	117	D3	171	D21	225	C18	279	D20	333	D8	387	A2	441	D26		
10	D7	64	B1	118	D3	172	A7	226	C18	280	D20	334	NC	388	A1	442	B12		
11	D7	65	NC	119	D3	173	A23	227	A10	281	D6	335	D8	389	A1	443	D11		
12	D8	66	NC	120	D3	174	NC	228	A10	282	D6	336	D8	390	A1	444	NC		
13	D9	67	NC	121	D3	175	NC	229	A8	283	D6	337	D8	391	D12	445	NC		
14	D9	68	NC	122	D4	176	NC	230	A8	284	D5	338	NC	392	D11	446	NC		
15	D8	69	A7	123	D4	177	D23	231	A9	285	D5	339	NC	393	NC	447	NC		
16	D8	70	D7	124	D4	178	A23	232	A9	286	A7	340	NC	394	D1	448	D12		
17	D7	71	A12	125	D5	179	A23	233	A9	287	NC	341	NC	395	D1	449	NC		
18	D7	72	A12	126	D3	180	A10	234	D2	288	D5	342	NC	396	D1	450	D9		
19	D7	73	A3	127	D3	181	A18	235	A9	289	D21	343	NC	397	D2	451	C32		
20	C7	74	D5	128	D3	182	A16	236	NC	290	D21	344	NC	398	D2	452	C32		
21	D8	75	A7	129	D27	183	A17	237	NC	291	A9	345	NC	399	D2	453	C32		
22	D8	76	A8	130	D12	184	A17	238	A10	292	A9	346	D12	400	D2	454	D32		
23	D7	77	A8	131	D5	185	D16	239	A10	293	A9	347	NC	401	D2	455	D32		
24	D7	78	A8	132	B12	186	D16	240	A10	294	A10	348	D11	402	D2	456	D32		
25	NC	79	D27	133	D26	187	D15	241	A16	295	D5	349	D12	403	D2	457	NC		
26	A25	80	D28	134	D26	188	A7	242	A16	296	B12	350	NC	404	D2	458	NC		
27	D8	81	D28	135	D26	189	NC	243	A13	297	A20	351	C1	405	D2				
28	A20	82	D27	136	D26	190	D5	244	A13	298	A10	352	C1	406	NC				
29	D23	83	D27	137	D26	191	A18	245	A15	299	D20	353	C1	407	A6				
30	D22	84	D27	136	D26	192	A16	246	A13	300	NC	354	A1	408	B1				
31	D25	85	D27	139	D27	193	A17	247	A15	301	B12	355	A1	409	B1				
32	D25	86	A10	140	D27	194	A17	248	A16	302	A11	356	A1	410	B1				
33	D25	87	A10	141	D27	195	D16	249	D13	303	C1	357	A3	411	D10				
34	D25	88	A10	142	D27	196	D16	250	D13	304	D20	358	A3	412	D10				
35	D25	89	A11	143	D26	197	D15	251	D14	305	NC	359	A3	413	D10				
36	NC	90	A11	144	D26	198	A3	252	D14	306	A20	360	A7	414	D10				
37	D25	91	A11	145	D27	199	B1	253	D14	307	NC	361	D2	415	D9				
38	D26	92	A11	146	A20	200	A3	254	D14	308	B12	362	NC	416	D9				
39	D26	93	A11	147	A20	201	A14	255	B18	309	A19	363	D2	417	D9				
40	A2	94	B1	148	A20	202	A15	256	B18	310	A20	364	A4	418	D10				
41	D10	95	A11	149	NC	203	A14	257	B6	311	NC	365	A2	419	D10				
42	D11	96	A11	150	D27	204	A13	258	D1	312	D19	366	A4	420	D10				
43	D11	97	A11	151	NC	205	A14	259	A2	313	NC	367	A2	421	D10				
44	D11	98	A11	152	A3	206	A13	260	D11	314	NC	368	A2	422	D10				
45	C12	99	A5	153	A4	207	A15	261	A16	315	A23	369	A2	423	D10				
46	D1	100	A11	154	A4	208	A15	262	A16	316	A24	370	A2	424	D10				
47	D11	101	A7	155	A4	209	A15	263	D15	317	A24	371	D4	425	D10				
48	D12	102	A7	156	A4	210	A11	264	D14	318	A24	372	D4	426	B12				
49	D11	103	D5	157	A1	211	A14	265	A16	319	A24	373	D4	427	D9				
50	NC	104	A7	158	A1	212	A14	266	A15	320	A24	374	D4	428	D9				
51	A25	105	A7	159	A1	213	A14	267	A15	321	NC	375	D4	429	D9				
52	D1	106	A7	160	A1	214	D13	268	A15	322	NC	376	D4	430	NC				
53	D1	107	A8	1															

(U) Battery Control Console 9995970—Apparatus List

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Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ±%	Watts	Volts		
A1					9154880	GS-18143
A2					8012372	GS-15712
A3					9155164	GS-19269
A4					9142894	GS-58674
A5					9986424	GS-18045
A6					9993018	GS-67477
A7					8171900	GS-17538
A8					8171886	GS-17539
A9					8009615	GS-15681
A10					9986454	GS-65932
A11 thru A13					8010134	GS-55095
A14					9142872	GS-18390
A15					9159583	GS-57693
A16					9988785	GS-57691
B1,B2					7605750	
C1	0.1 μf	±10	200	7599189		
C2,C3	0.5 μf	±10	600	7631845	CP53B1EF504K	
CR1 thru CR3				8024680	1N100	
DS1 thru DS4	0.035 amp			MS25231	1819	
DS5	6 ohm					
J1 thru J3				7599913		
J11 thru J13				7598934		
J21 thru J26				8175623		
J28				7599662		
J29,J30				7699662		
J31				9003874		
J32				8519232		
J33				9003874		
J34,J35				8519232		
J60				MS35181	UG910/U	
K20				MS3102A20-29A	UG910/U	
LS1	8 ohm	3				
P1				9004095		
P2				8011143		
P3				7605564		
P4				MS3106A28-21S		
P5				9003509		
P6				7602336		
P7				MS3108B36-15S		
P8 thru P10				8526289		
P12				MS3106A28-16S		
P13				MS35170		
P14				MS35170		
P15				7602334		
P16 thru P18				MS3106A26-15S		
P19				MS3106A28-15S		
P20 thru P22				MS35170		
P23				MS3108B28-11S		
P24				MS35170		
P25				7602334		
P26				MS3108B28-15SW		
P27,P28				MS3108B28-15S		
P29				MS3106A20-27S		
P30				7602334		
P31 thru P33				MS3108B24-28S		
P34				MS3106A28-15S		
P36 thru P52				7605564		
P53				MS35170		
				MS35170		
				7602334		

Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ±%	Watts	Volts		
P54					9009436	
P55,P56					7602334	
P57					MS3106A24-2P	
P58					7602334	
P59					9009436	
P60,P61					7602334	
P62					MS3108B28-15SX	
P63					MS3108B28-11SW	
P64					MS3108B24-28SW	
R1	0.249 meg	1	1		7599636	
R2	0.316 meg	1	1		7599747	
R3	0.249 meg	1	1		7599636	
R4	0.316 meg	1	1		7599747	
R5	0.249 meg	1	1		7599636	
R6	0.316 meg	1	1		7599747	
R7	0.249 meg	1	1		7599636	
R8	0.316 meg	1	1		7599747	
R21	0.249 meg	1	1		7599636	
R22	0.316 meg	1	1		7599747	
R23	0.249 meg	1	1		7599636	
R24	0.316 meg	1	1		7599747	
R25	0.249 meg	1	1		7599636	
R26	0.316 meg	1	1		7599747	
R32	7.1 ohm	5	11		9009488	
R33,R34	100 ohm	5	1/2		MS35043-63	
S11					9001495	
S12 thru S14					7602616	
S21 thru S25					7602749	
T1					8015382	
TB1					9004457	
TB2					7534156	
TB3					7534159	
Telephone set	TS-272/G					
C301	4 μf	10		600	7593727	
C302,C303	2 μf	10		600	7593726	
CR302					8024363	
I301					7653456	
L301,L302					8007179	
T301					8007193	
TB301					8175113	

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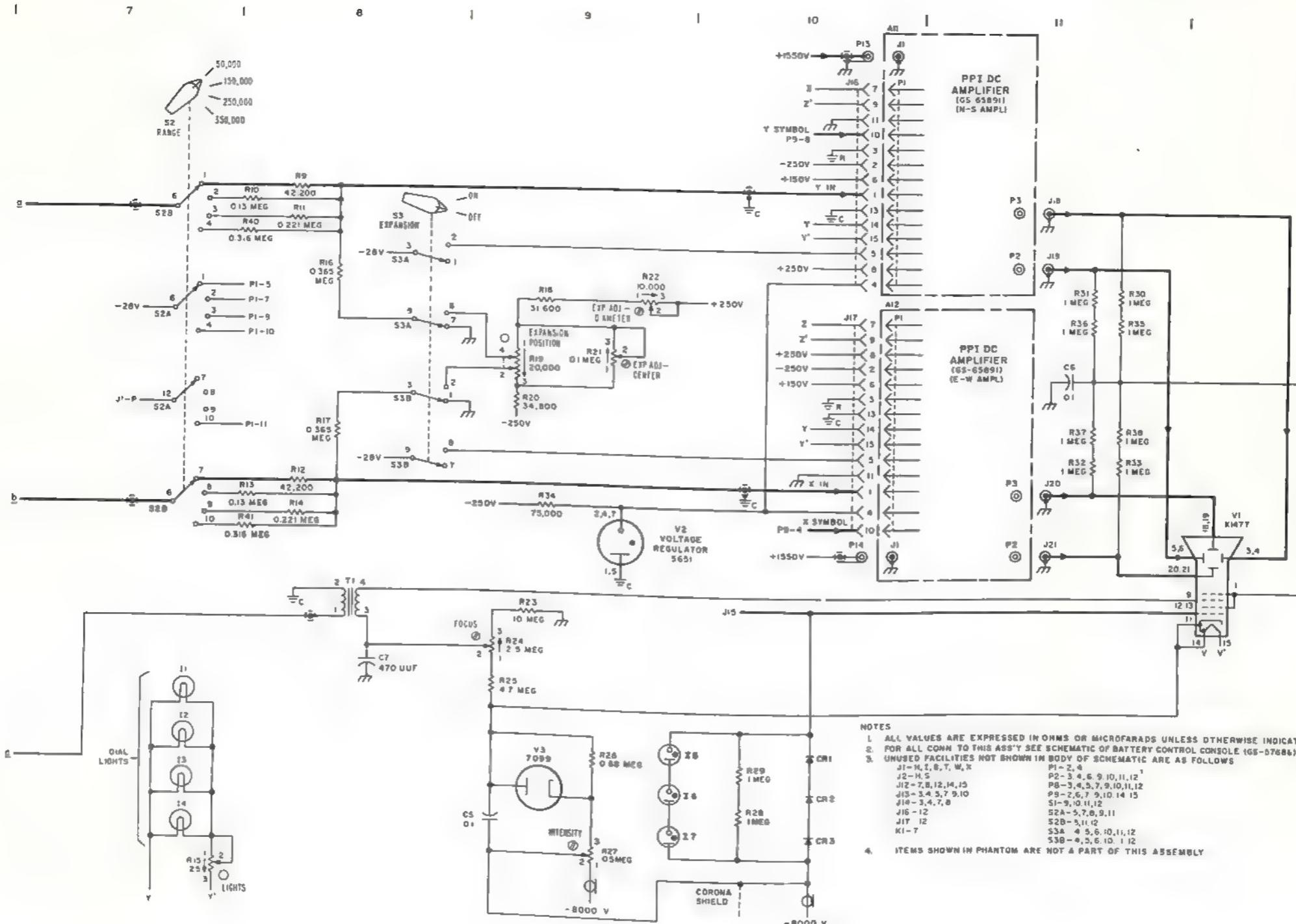


Figure 72 (CMHA). Continued (sheet 2 of 2).

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Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ± %	Watts	Volts		
A1					8517883/9007951	GS-18387
A2					9143168	GS-57690
A3 thru A8					9007695	GS-19587
A9					9143202	GS-59066
A10					9995961	GS-65945
A11, A12					9986059	GS-65891
C1A, C1B	30 uf	+50 -10	400	9002900	CE42C300Q	
C2	35 uf	+50 -10	400	9002894	CE41C350Q	
C3, C4	0.02 uf	10	300	7651246	CN35EX203K	
C5	0.1 uf	10	600	9144160		
C6	0.1 uf	10	1000	9007536		
C7	470 uuf	10	10,000	9007460		
C8 thru C10	1000 uuf	10	500	MS90129-1	CK61Y102Z	
CR1 thru CR3				8516150	1N459	
CR5				8024680	1N100	
CR6				8519051		
I1 thru I4				504521		
I5 thru I7				8108422		
J1				MS3102A28-11P		
J2				MS3102A28-11PN		
J3 thru J6				8175024		
J7				8531071		
J8				7599662		
J9, J10				8531071		
J11				9004160		
J12 thru J14				7599367		
J15				9003755		
J16, J17				7599367		
J18 thru J21				9157744		
J22 thru J27				9007660		
K1				9003099		
P1, P2				7605564		
P3				MS35170		
P4 thru P7				9003043		
P8, P9				7605564		
P10 thru P16				9003043		
R1 thru R3	10	5	1	MS35044-53	RC32GF100J	
R4	5000	10	2	8157087		
R5	5000	10	2	9003012		
R6	2.2 meg	10	1/2	MS35043-33	RC20GF225K	
R7, R8	0.1 meg	5	1/2	MS35043-135	RC20GF104J	
R9	42,200	1	1/2	9010296		
R10	0.130 meg	1	1/2	9150238		
R11	0.221 meg	1	1/2	9138969		
R12	42,200	1	1/2	9010296		
R13	0.130 meg	1	1/2	9150238		
R14	0.221 meg	1	1/2	9138969		
R15	25	10	25	9002902	RP101FK250KK	
R16, R17	0.365 meg	1	1/2	9150239		
R18	31,600	1	2	9012052		
R19	20,000	5	2	8159252		
R20	34,800	1	2	8518555		
R21	0.1 meg	10	2	8175572		
R22	10,000	10	2	8175650		
R23	10 meg	5	10	9003746		
R24	2.5 meg	10	2	8518818		
R25	4.7 meg	5	5	9003745		
R26	0.68 meg	5	1	MS-35044-169	RC32GF684J	

Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ± %	Watts	Volts		
R27	0.5 meg	10	2		9002949	
R28, R29	1 meg	5	1/2		MS35043-159	RC20GF105J
R30 thru R33	1 meg	10	1/2		MS35043-31	RC20GF105K
R34	75,000	1	1/2		0003077	
R35	1 meg	10	1/2		MS35043-31	RC20GF105K

MEASUREMENT NOTES

1. General

a. Measurements are made with all variable resistors adjusted for normal operation and all tubes in sockets.

b. Notation 3 to 4 in the Pin column indicates that measurement is made between pins 3 and 4; notation 4, 5 to 9 indicates that measurement is made between pin 4 and pin 9 or pin 5 and pin 9.

c. All values given are typical.

2. Voltage

a. Measurements are made with system energized through low voltage condition.

b. Measurements are made with electronic multimeter TS-505/U using the scale that permits reading nearest full scale.

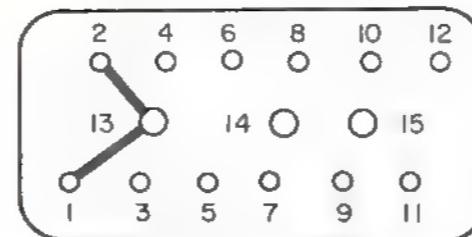
c. Voltages are +dc measured to ground unless otherwise indicated.

3. Resistance

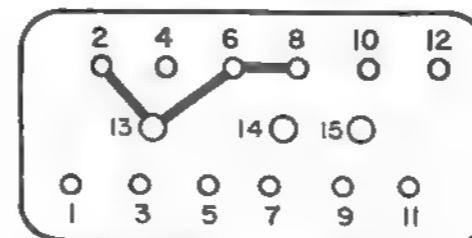
a. Measurements are made with multimeter TS-352/U using the scale that permits reading nearest midscale.

b. Measurements are made with all external cables disconnected, connectors J1 and J2 removed from Z1 and Z2 respectively, and connectors P1 and P2 strapped as indicated.

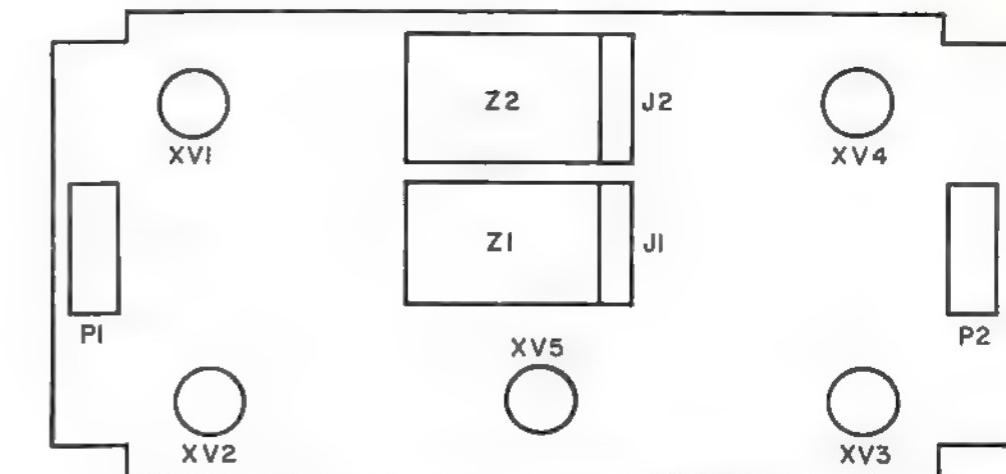
c. Resistors are measured to ground unless otherwise indicated.



PIN STRAPPING ARRANGEMENT FOR P1



PIN STRAPPING ARRANGEMENT FOR P2



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Ref desig		Tube type	Tube function	Plate			Suppressor			Screen			Control			Cathode			Filament		
Socket	Tube			Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms
XV1	V1A	5755	Y DC amplifier	1	150	0							3	20	964,000	2	-100	1.21 meg	4, 5 to 9	6.3 ac	8
	V1B		Y DC amplifier	8	160	484,000							6	0	31,600	7	-100	1.21 meg			
XV2	V2	6AU6WA	Y DC amplifier	5	60	217,000		Same as cathode		6	75	11,000	1	0	526,000	2, 7	0	0	3 to 4	6.3 ac	< 1
XV3	V3A	5755	X DC amplifier	1	150	0							3	20	964,000	2	-100	1.21 meg	4, 5 to 9	6.3 ac	8
	V3B		X DC amplifier	8	160	484,000							6	0	31,600	7	-100	1.21 meg			
XV4	V4	6AU6WA	X DC amplifier	5	60	217,000		Same as cathode		6	75	11,000	1	0	526,000	2, 7	0	0	3 to 4	6.3 ac	6
XV5	V5A	5670	X Cathode follower	4	150	0							3	50	620,000	2	30	34,800	1 to 9	6.3 ac	
	V5B		Y Cathode follower	6	150	0							7	50	620,000	8	30	34,800			

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Figure 73A (U). Sweep generator 9-48168—voltage and resistance chart. (U)

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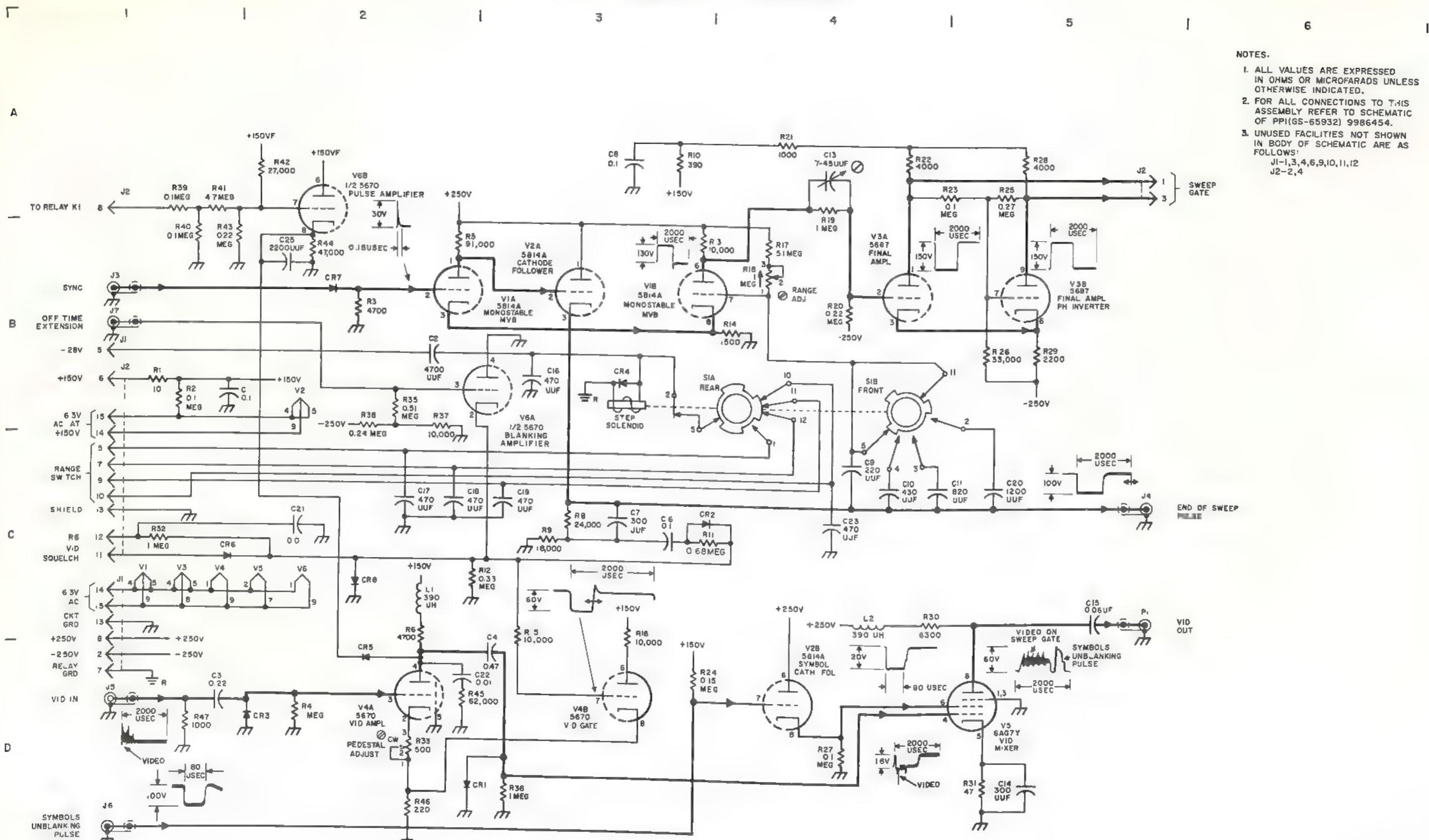


Figure 74 (U). PPI video amplifier 9995961—schematic diagram (U).

(U) PPI Video Amplifier 9995961—Apparatus List

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(U) PPI Video Amplifier 9995961—Apparatus List—Continued

Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ±%	Watts	Volts		
C1	0.1 uF	10		400	CP10A1EF104K1	
C2	4700 uuf	10		600	CP09A1FF472K1	
C3	0.22 uF	10		200	9144164	
C4	0.47 uF	10		400	CP09A1EE474K1	
C6	0.1 uF	10		400	CP10A1EE104K1	
C7	300 uuf	5		500	CM15B301JN3	
C8	0.1 uF	10		200	CP09A1EC104K1	
C9	220 uuf	2		500	CM15D221GN3	
C10	430 uuf	2		500	CM15D431GN3	
C11	820 uuf	2		500	CM25E821GN3	
C13	7-45 uuf	10		500	CV11D450	
C14	300 uuf	5		500	CM15B301JN3	
C15	0.06 uuf	20		10,000	9144222	
C16 thru C19	470 uuf	5		500	CM15B471JN3	
C20	1200 uuf	2		500	CM30C122GN3	
C22	.01 uF	5		300	CM35B103JN3	
C23	470 uuf	5		500	CM15B471JN3	
C25	2200 uuf	5		500	CM30B222KN3	
CR1					9016939	
CR2					1N198	
CR3					1N198	
CR4					9009998	
CR5, CR6					9009258	
CR7					1N198	
CR8					9009998	
J1, J2					9150421	
J3, J4					9000578	
J5					MS27035-625B	
J6, J7					9000578	
L1	140 uh	10			9001020	
L2	390 uh	10			9001020	
P1					9000771	
R1	10	5	1/2		MS35043-39	RC20GF100J
R2	0.1 meg	5	1/2		MS35043-135	RC20GF104J
R3	4700	5	1/2		MS35043-103	RC20GF472J
R4	1 meg	5	1/2		MS35043-159	RC20GF105J
R5	91,000	5	1/2		MS35043-134	RC20GF913J
R6	4700	5	1/2		MS35043-103	RC20GF472J
R8	24,000	5	1		MS35044-134	RC32GF243J
R9	18,000	5	1		MS35044-131	RC32GF183J
R10	390	5	2		MS35045-77	RC42GF391J
R11	0.68 meg	5	1/2		MS35043-155	RC20GF684J
R12	0.33 meg	5	1/2		MS35043-147	RC20GF334J
R13	10,000	5	2		MS35045-111	RC42GF103J
R14	1500	5	1		MS35044-105	RC32GF152J
R15, R16	10,000	5	1/2		MS35043-111	RC20GF103J
R17	5.1 meg	5	1/2		MS35043-176	RC20GF515J
R18	1 meg	20	1/3		9000662	
R19	1 meg	5	1/2		MS35043-159	RC20GF105J
R20	0.22 meg	5	1/2		MS35043-143	RC20GF224J
R21	1000	5	5		8288576	RW55G102
R22	4000	5	5		7602543	RW55G402
R23	0.1 meg	5	1		MS35044-149	RC32GF104J
R24	0.15 meg	5	1/2		MS35043-139	RC20GF154J
R25	0.27 meg	5	1/2		MS35043-145	RC20GF274J
R26	33,000	5	1		MS35044-137	RC32GF333J
R27	0.1 meg	5	1/2		MS35043-135	RC20GF104J
R28	4000	5	5		7602543	RW55G402
R29	2200	5	22		9000760	RW21G222

Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ±%	Watts	Volts		
R30	6300	5	10		7599239	
R31	47	5	1/2		MS35043-55	RC20GF470J
R32	1 meg	5	1/2		MS35043-159	RC20GF105J
R33	500	20	1/2		9003836	
R35	0.51 meg	5	1/2		MS35043-152	RC20GF514J
R36	1 meg	5	1/2		MS35043-159	RC20GF105J
R37	10,000	5	1/2		MS35043-111	RC20GF103J
R38	0.24 meg	5	1/2		MS35043-144	RC20GF244J
R39, R40	0.1 meg	5	1/2		MS35043-135	RC20GF104J
R41	4.7 meg	5	1/2		MS35043-175	RC20GF475J
R42	27,000	5	1/2		MS35043-121	RC20GF273J
R43	0.22 meg	5	1/2		MS35043-143	RC20GF224J
R44	47,000	5	1/2		MS35043-127	RC20GF473J
R45	62,000	5	1		MS35044-144	RC32GF623J
R46	220	5	1/2		MS35043-71	RC20GF221J
R47	1000	5	1/2		MS35043-87	RC20GF102J
S1					9143262	
V1, V2					8298939	
V3					7599315	
V4					8518396	
V5					9000761	
V6					8518396	

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(U) PPI Video Amplifier 9995961—Voltage and Resistance Chart

1. General

Warning: Serious injury may result from flying glass fragments if cathode-ray tube is broken. Use extreme care and wear protective mask and gloves when handling cathode-ray tube.

a. Measurements are made with all variable resistors adjusted for normal operation and all tubes in sockets.

b. Notation 2 to 7 in the Pin column indicates that measurement is made between pins 2 and 7; notation 4,5 to 9 indicates that measurement is made between pin 4 and pin 9 or pin 5 and pin 9; notation 4,5,9 indicates that measurement is made between pin 4 and ground, pin 5 and ground, or pin 9 and ground.

c. All values given are typical.

2. Voltage

Warning: High voltage used in this equipment may cause death on contact.

a. Measurements are made with system energized through low voltage condition, and with cables removed from J3, J4, J5, and J6.

b. Measurements are made with electronic multimeter TS-505/U using the scale that permits reading nearest full scale.

c. Voltages are +dc measured to ground, unless otherwise indicated.

d. A dash in the Volts column indicates a voltage of no significance.

3. Resistance

a. Measurements are made with multimeter TS-352/U using the scale that permits reading nearest midscale.

b. Measurements are made with all external cables disconnected.

c. Resistances are measured to ground unless otherwise indicated.

d. On connector J1, strap pins 2, 4, 6, 8, 10, and 13 together. On connector J2, strap pin 6 to ground.

Ref design		Tube type	Tube function	Plate			Suppressor			Screen			Control			Cathode			Filament		
Socket	Tube			Pin	Volts	Ohms	Pin	Volts	Ohms	P.n	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms
XVI	V1A	5814A	Monostable multivibrator	1	225	91,000							2	0	4,700	3	19	1,500	4,5 to 9	6.3 ac	< 1
	V1B			6	117	9,900							7	4	5.7 meg	8	19	1,500			
XV2	V2A	5814A	Cathode follower	1	250	0							2	225	91,000	3	220	42,000	4,5 to 9	6.3 ac	< 3
	V2B		Symbol cathode follower	6	250	0							7	150	150,000	8	150	100,000			
XV3	V3A	5687	Final amplifier	1	80	5,200							2	-180	180,000	3	-160	2,200	4,5 to 8	6.3 ac	< 1
	V3B		Final amplifier phase inverter	9	-75	5,300							7	-160	25,000	6	-160	2,200			
XV4	V4A	5670	Video amplifier	4	140	1,600							3	0	1 meg Δ	2	3	450	1 to 9	6.3 ac	< 1
	V4B		Video gate	6	142	10,000							7	0	0.34 meg Δ	8	1	100			
XV5	V5	6AG7Y	Video mixer	8	60	6,300	1,3	0	0	6	150	100,000	4	0	8Δ	5	2	220	2 to 7	6.3 ac	< 1
XV6	V6A	5670	Blanking amplifier	4	0	0							3	-10	0.52 meg	2	0	0.33 meg Δ	1 to 9	6.3 ac	< 1
	V6B		Pulse amplifier	6	150	0							7	132	24,000	8	140	47,000			

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Δ Reverse meter leads if reading is not obtained.

ORD G60923

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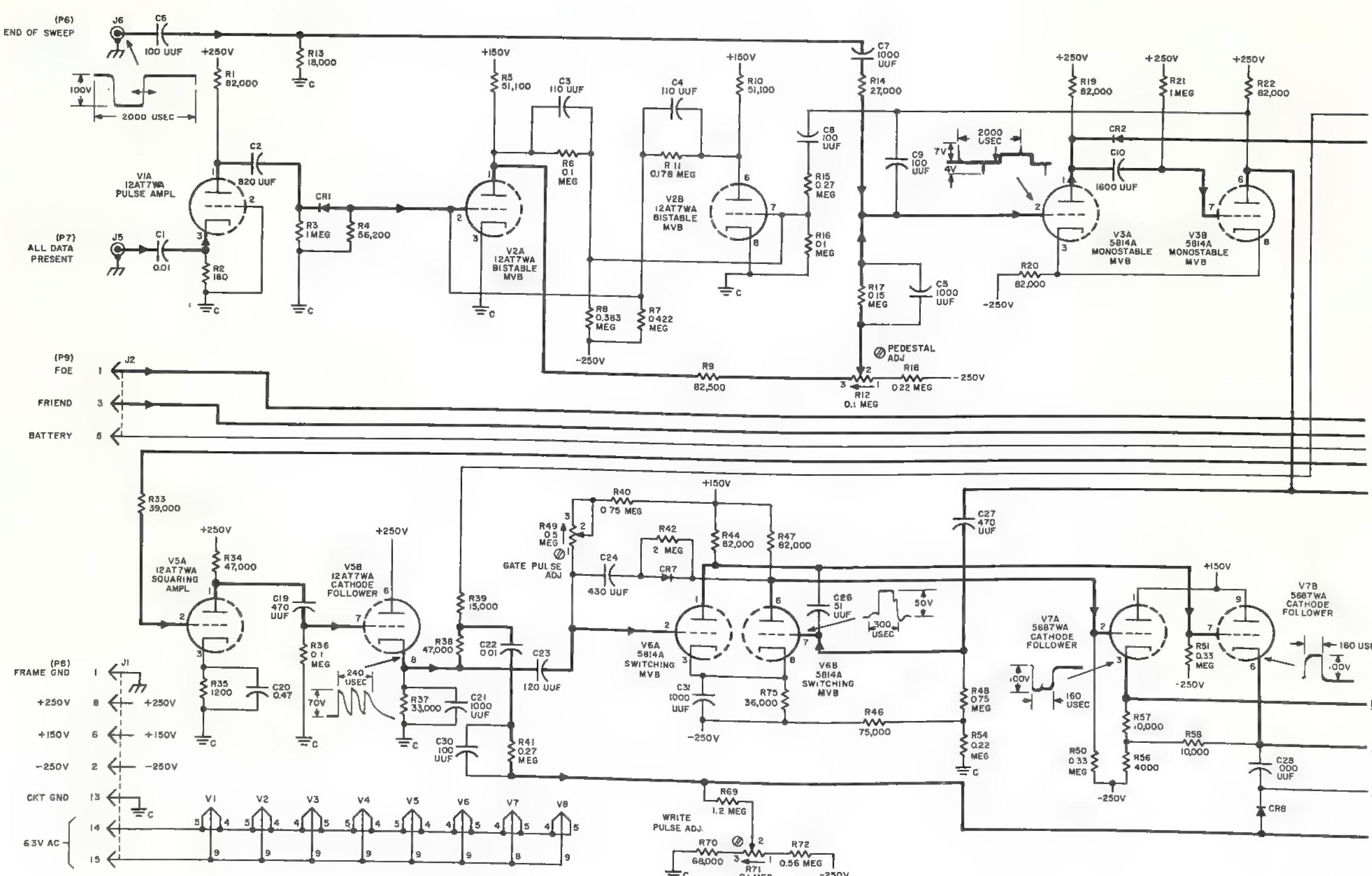


Figure 75 (U). PPI marker generator 9143202—schematic diagram, sheet 1 of 2.

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MEASUREMENT NOTES

1. General

a. Measurements are made with all variable resistors adjusted for normal operation and all tubes in sockets.

b. Notation 3 to 4 in the Pin column indicates that measurement is made between pins 3 and 4; notation 4, 5 to 9 indicates that measurement is made between pin 4 and pin 9 or pin 5 and pin 9.

c. All values given are typical.

2. Voltage

a. Measurements are made with system energized through low voltage condition and cable removed from J2.

b. Measurements are made with electronic multimeter TS-505/U using the scale that permits reading nearest full scale.

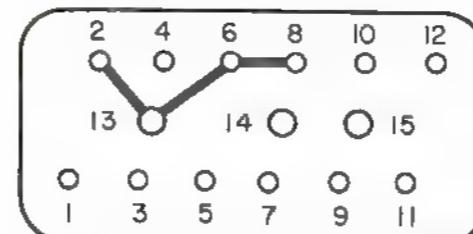
c. Voltages are +dc measured to ground, unless otherwise indicated.

3. Resistance

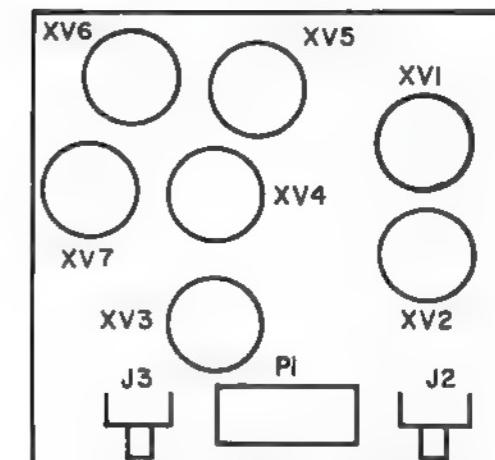
a. Measurements are made with multimeter TS-352/U using the scale that permits reading nearest midscale.

b. Measurements are made with all external cables disconnected and connector P1 strapped as indicated.

c. Resistances are measured to ground unless otherwise indicated.



PIN STRAPPING ARRANGEMENT FOR P1



BOTTOM VIEW OF CHASSIS

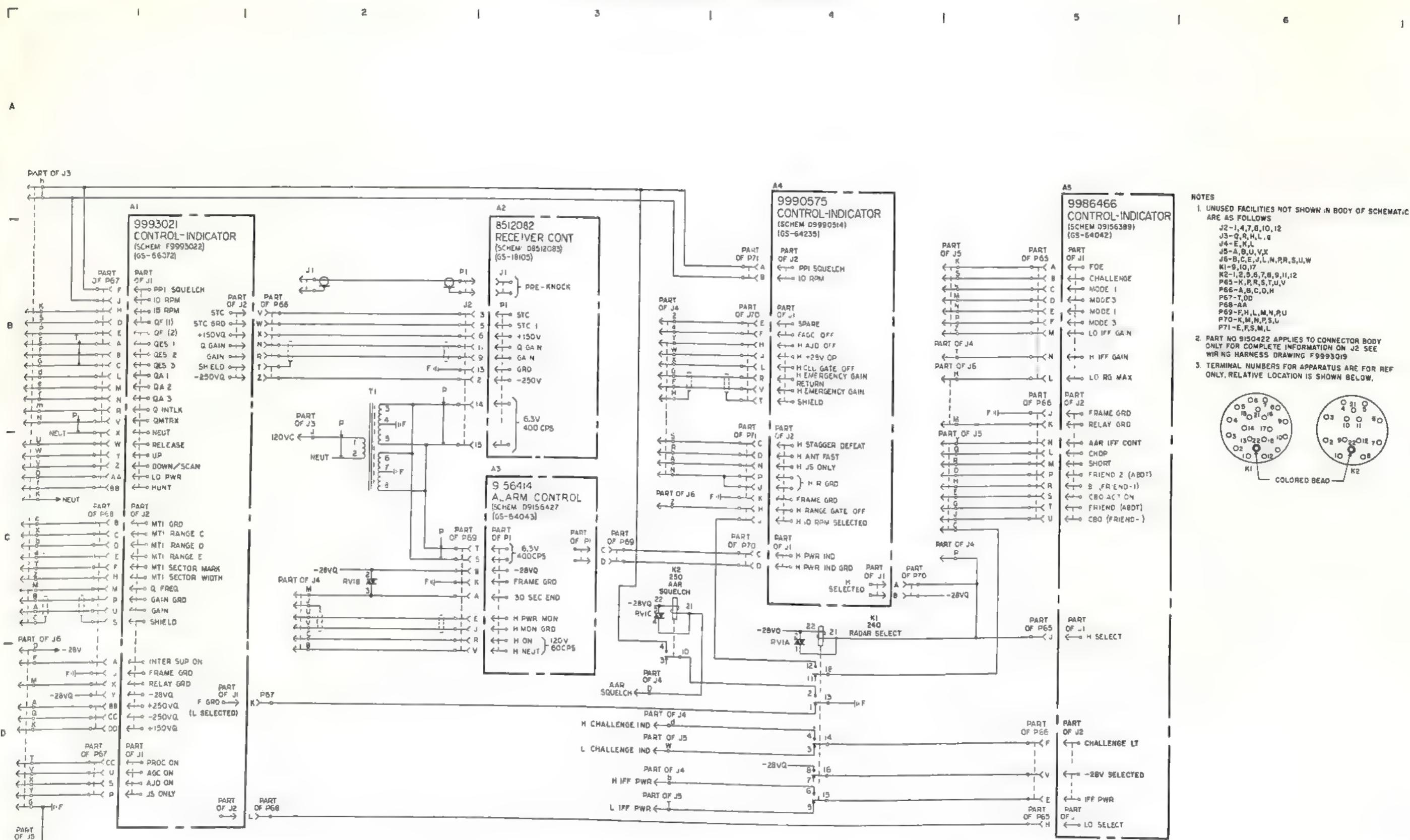
Ref desig		Tube type	Tube function	Plate			Suppressor			Screen			Control			Cathode			Filament		
Socket	Tube			Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms	Pin	Volts	Ohms
XV1	V1B	5726/6AL5W	Blocking diode	2	0	10,000										5	4.5	61,000	3 to 4	6.3 ac	< 1
	V1A			7	63	1 meg										1	63	680,000			
XV2	V2	6AS6	Phantastron	5	63	1 meg	7	4.5	61,000	6	61	20,000	1	19	1.6 meg	2	19	4,020	3 to 4	6.3 ac	< 1
XV3	V3A	5670	Cathode follower Differentiating and clipping amplifier	4	250	0										3	63	1 meg	2	66	66,000
	V3B			6	138	33,000										7	0	2.2 meg	8	8.8	10,000
XV4	V4	5814	Monostable multivibrator	1	175	3,900										2	61	180,000	8	60	3,100
				6	215	17,200										7	40	10,000	8	60	3,100
XV5	V5B	5687 WA	Pulse shaping cathode follower Network driver	9	250	1500										7	-25	180,000	6	0.7	10,000
	V5A			1	150	120,000										2	-40	165,000	8	0	4,5 to 8
XV6	V6A	5670	Pulse forming triode amplifier Baseline clipping amplifier	4	30	120,000										3	0	1,000	2	0	0
	V6B			6	150	8700										7	-43	146,000	8	0	1 to 9
XV7	V7	6AH6	Differentiating and clipping amplifier	5	250	540	2	9	27,000	6	250	270	1	0	2,200	7	9	27,000	3 to 4	6.3 ac	< 1

< Less than.

ORD G57569

Figure 80A (U). Acquisition range generator 9143997—voltage and resistance chart. (U).

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ORD G252281

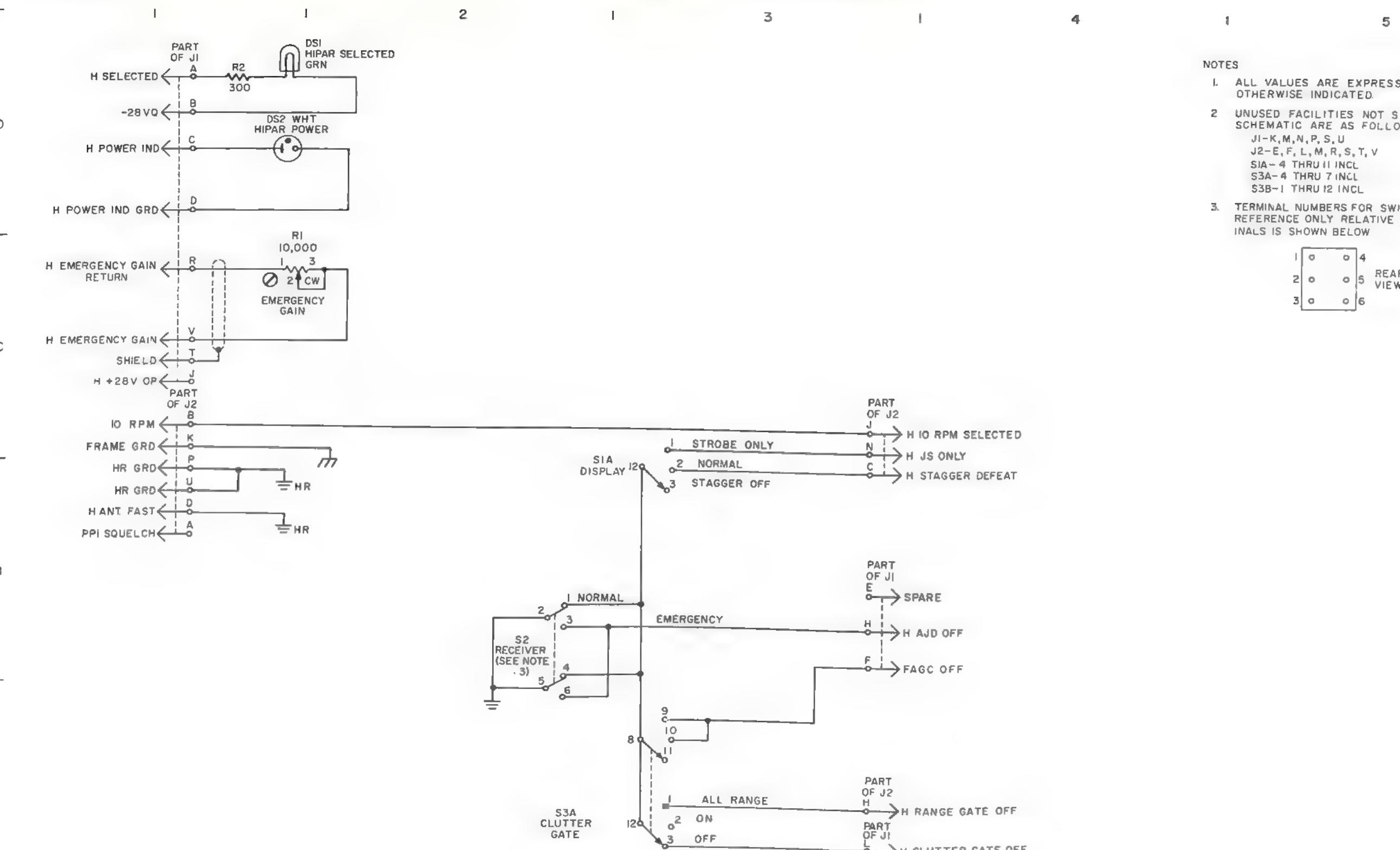
Figure 81 (U). Acquisition control-indicator 9993018—schematic diagram (U).

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(U) Acquisition Control-Indicator 9993018—Apparatus List

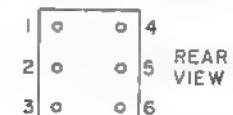
Ref desig	Value	Mfr's rating			Type, part, or drawing no.	Remarks
		Tol ±%	Watts	Volts		
A1					9993021	GS-66072
A2					8512082	GS-18105
A3					9990575	GS-64235
A4					9156348	GS-64042
A5					9986466	
J1					7599662	
J2					9150422	
J3					9000955	
J4					9003898	
J5					8528011	
J6					9144327	
K1	240				9010650	
K2	250				9024862	
P1					9144413	
P65					9976318-2	
P66					9976318-1	
P67					9976319-2	
P68					9976319-1	
P69					9976318-1	
P70					9976318-2	
P71					9976318-1	
RV1					7599075	
T1					7605333	

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NOTES

- ALL VALUES ARE EXPRESSED IN OHMS UNLESS OTHERWISE INDICATED.
- UNUSED FACILITIES NOT SHOWN IN BODY OF SCHEMATIC ARE AS FOLLOWS
J1-K,M,N,P,S,U
J2-E,F,L,M,R,S,T,V
SIA-4 THRU 11 INCL
S3A-4 THRU 7 INCL
S3B-1 THRU 12 INCL
- TERMINAL NUMBERS FOR SWITCH S2 ARE FOR REFERENCE ONLY RELATIVE LOCATION OF TERMINALS IS SHOWN BELOW



ORD G82393

Figure 82 (U). HIPAR control-indicator 9990575—schematic diagram (U).

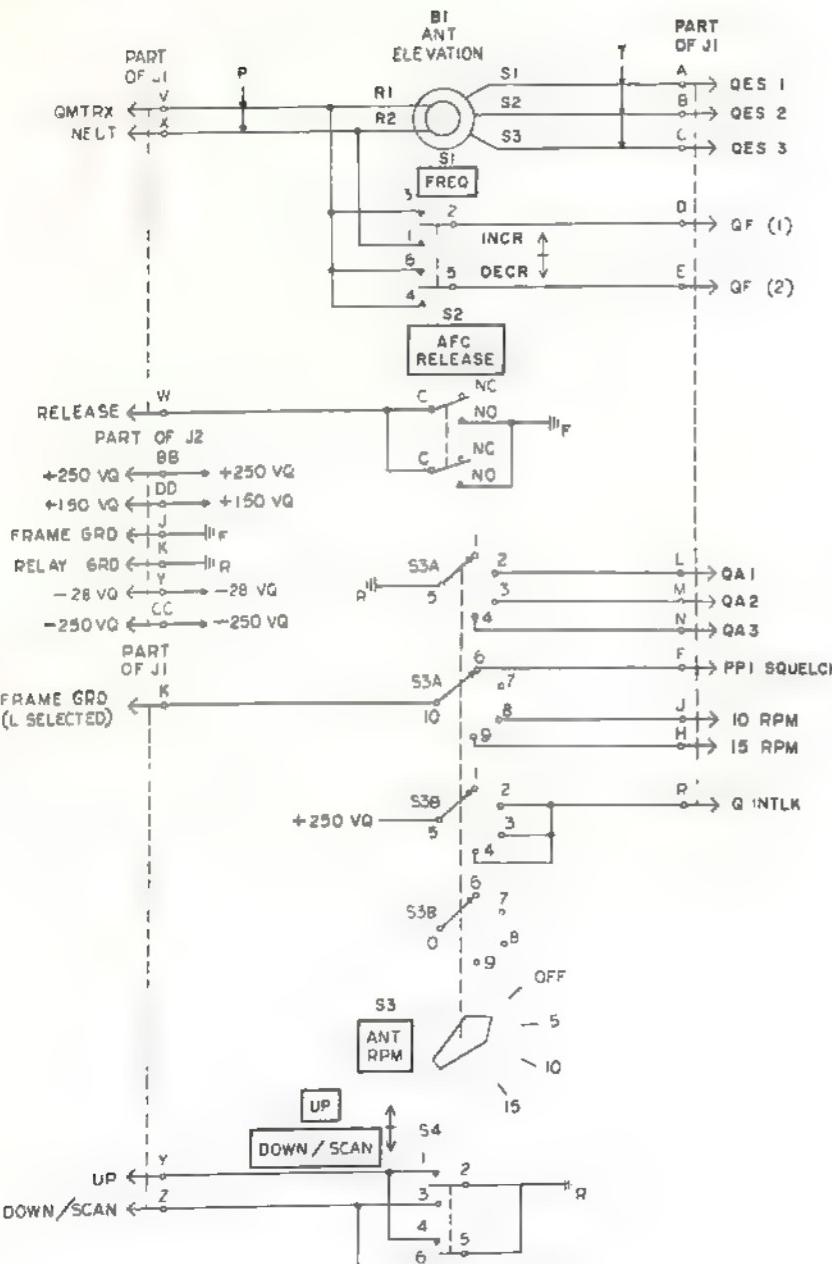
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(U) HIPAR Control-Indicator 9990575—Apparatus List

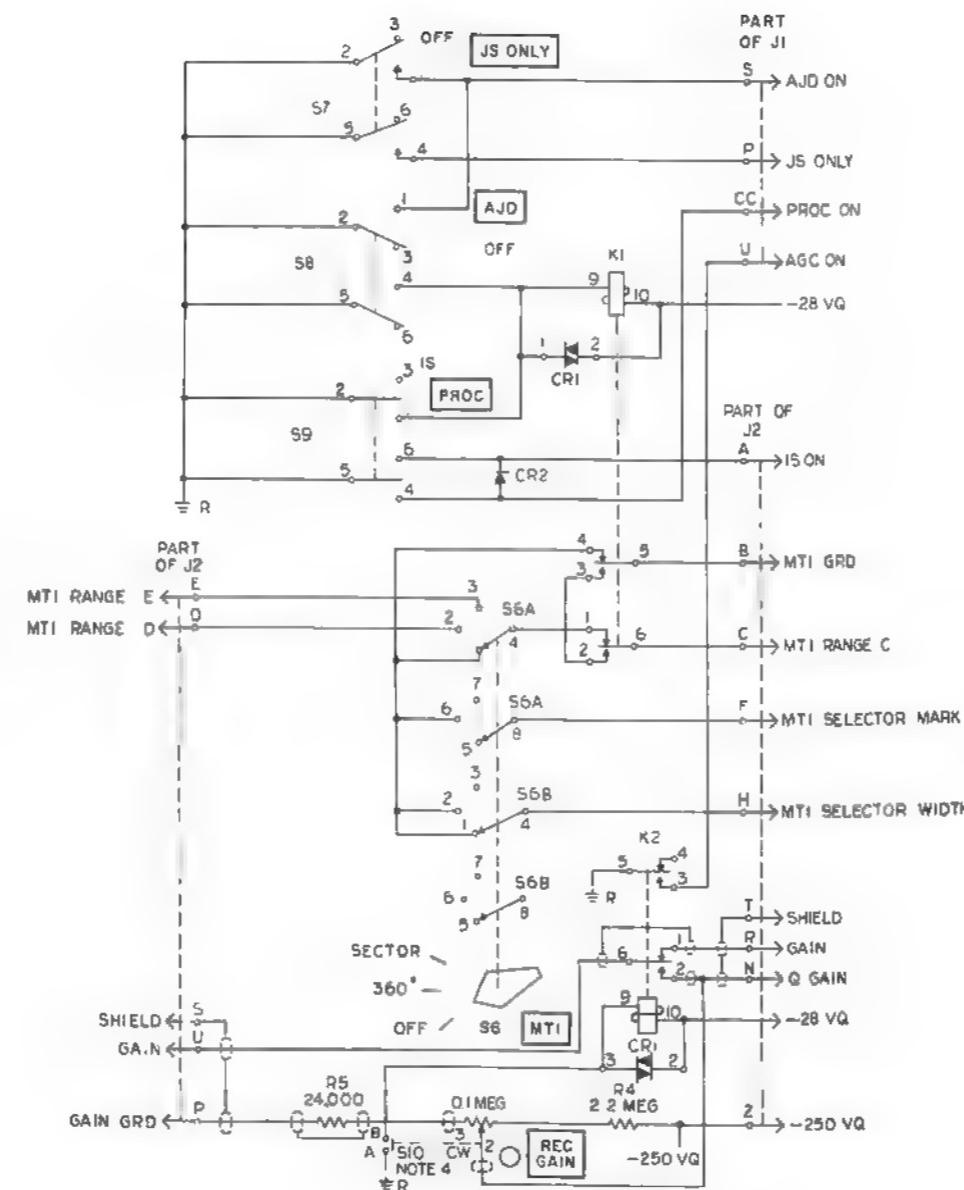
Ref desig	Value	Mfr's rating			Type, part or drawing no.	Remarks
		Tol ± %	Watts	Volts		
DS1					MS25231-1819	
DS2					7605718	
J1					8976302-1	
J2					9976302-2	
R1	10,000	10	2		9976303-1	
R2	300	5	1		MS35044-88	
S1					C9990500	
S2					MS35059-23	
S3					9136656	

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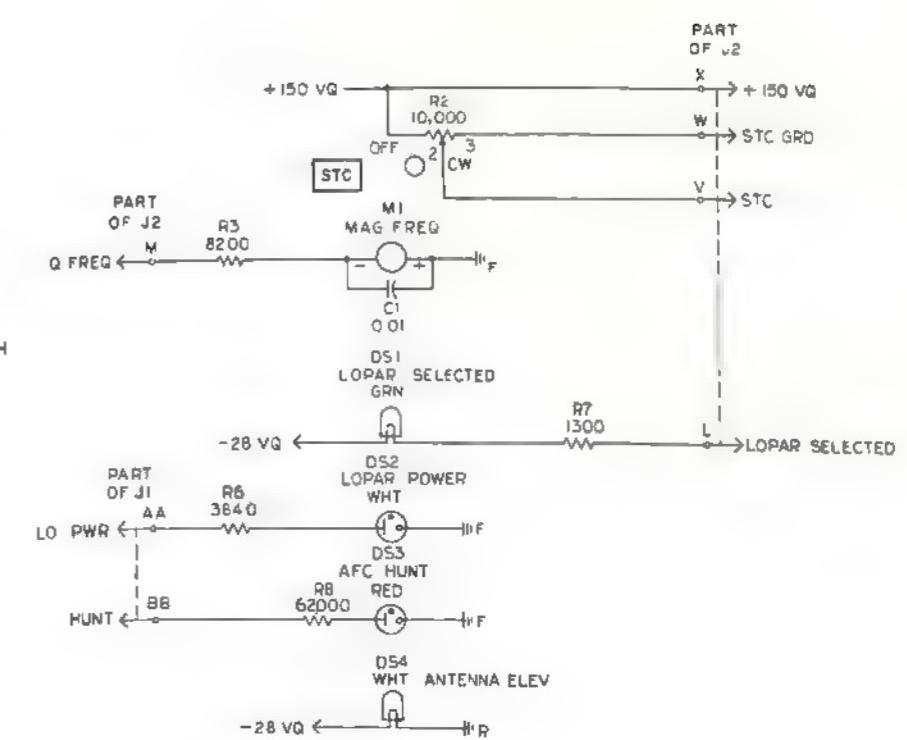
A



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ORD G252256

Figure 88 (U). LOPAR control-indicator 9993021—schematic diagram (U).

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TM 9-1430-257-20

C8

(U) Electro-Mechanical Control Panel 9988941 — Apparatus List

Reference designation	Ordnance part No.	Part description
C1, C2, C3, C4	9010648	CAPACITOR, FIXED, PAPER DIELECTRIC: 400v dc, 0.01 μ f $\pm 15\%$, type CP08A1EB103M.
C5	9002887	CAPACITOR, FIXED, ELECTROLYTIC: 400v dc, 2 sec, 16-16 μ f $+ 150\% - 10\%$, type CE42C160Q.
CR1	9011240	RECTIFIER, METALLIC: selenium, full wave, 100v ac, sgle-ph input; 90v dc, 5 amp output.
CR2	9137420	SEMICONDUCTOR DEVICE: diode, rectifying, silicon, type 1N697.
F1, F2, F4	MS90078-22	FUSE, CARTRIDGE: time delay, 250v, 0.5 amp
F3	MS90080-5	FUSE, CARTRIDGE: time delay, 32v, 5 amp
K1, K2	8175084	RELAY, ARMATURE: 2 pdt, cont 100v ac or 26v dc, 3 amp, 5000 ohm $\pm 8\%$.
K3, K4, K5, K6	9010650	RELAY, ARMATURE, 6 pdt; cont 110v ac or 26v dc, 2 amp, coil 26v dc, 240 ohm.
P1, P2	7598051	CONNECTOR, RECEPTACLE, ELECTRICAL: rect, 15 male cont.
R1, R2, R3, R4	MS35043-66	RESISTOR, FIXED, COMPOSITION: $\frac{1}{2}$ w, 130 ohm $\pm 5\%$, type RC20GF131J.
R5, R6	MS35043-107	RESISTOR, FIXED, COMPOSITION: $\frac{1}{2}$ w, 6800 ohm $\pm 5\%$, type RC20GF682J.
R7, R8	MS35043-78	RESISTOR, FIXED, COMPOSITION: $\frac{1}{2}$ w, 430 ohm $\pm 5\%$, type RC20GF431J.
T1	9011035	TRANSFORMER, POWER, STEP-DOWN: sgle-ph; input 120v, 400 cps, 1 output wnd, 100v at 2 amp.

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CHAPTER 3 (CMHA). IMPROVED NIKE-HERCULES SCHEMATIC DIAGRAMS**Section 1 (CMHA). TRAILER MOUNTED DIRECTOR STATION**

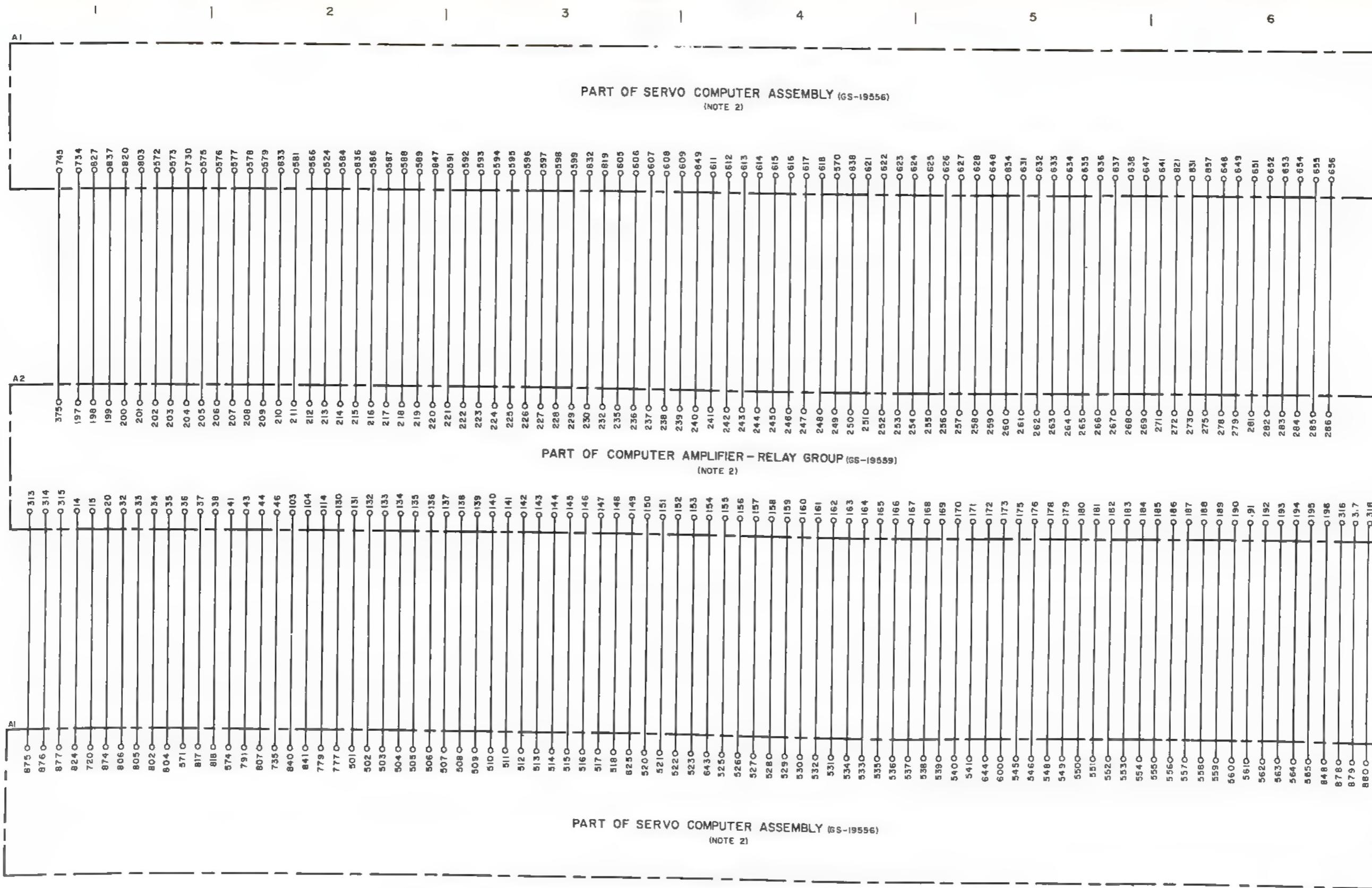


Figure 70 (U). Trailer mounted director station 9998059 (with electronic frequency selector capability)—schematic diagram (sheet 1 of 14) (U).

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PART OF SERVO COMPUTER ASSEMBLY (GS-1955)
(NOTE 2)

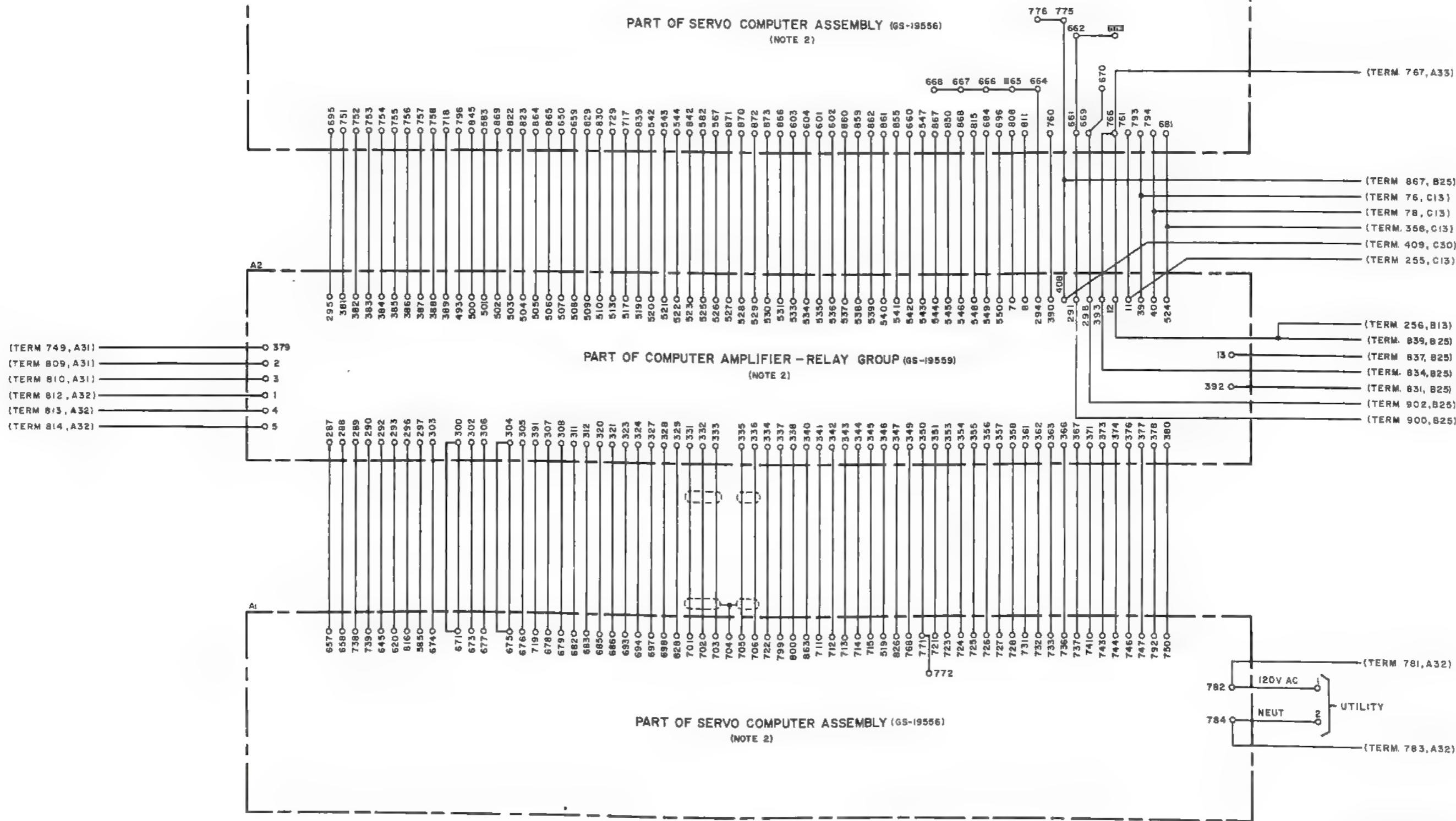


Figure 70 (U). Continued (sheet 2 of 14).

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PART OF COMPUTER AMPLIFIER-RELAY GROUP (GS-19559)
(NOTE 2)

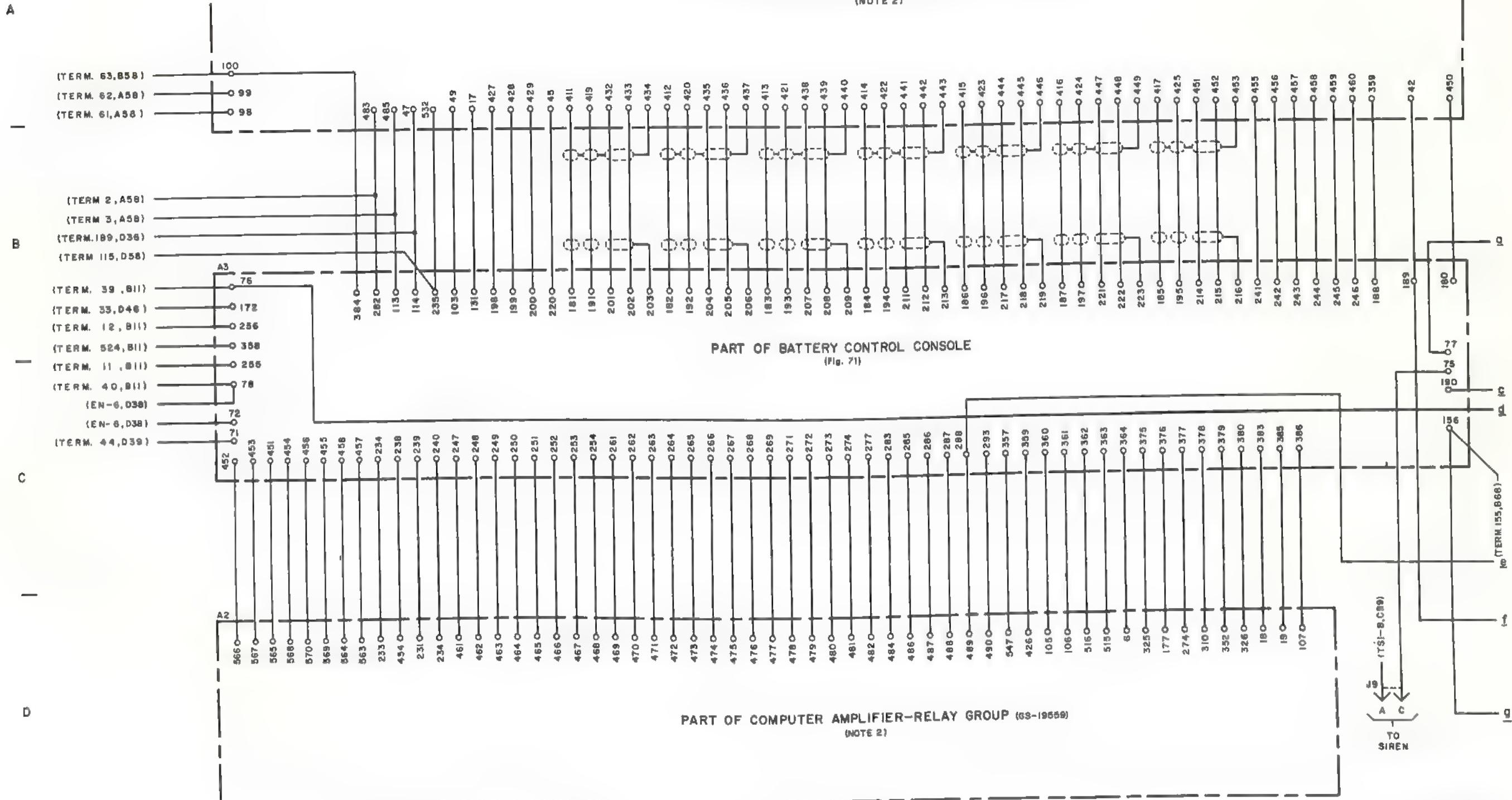


Figure 70 (U). Continued (sheet 3 of 14).

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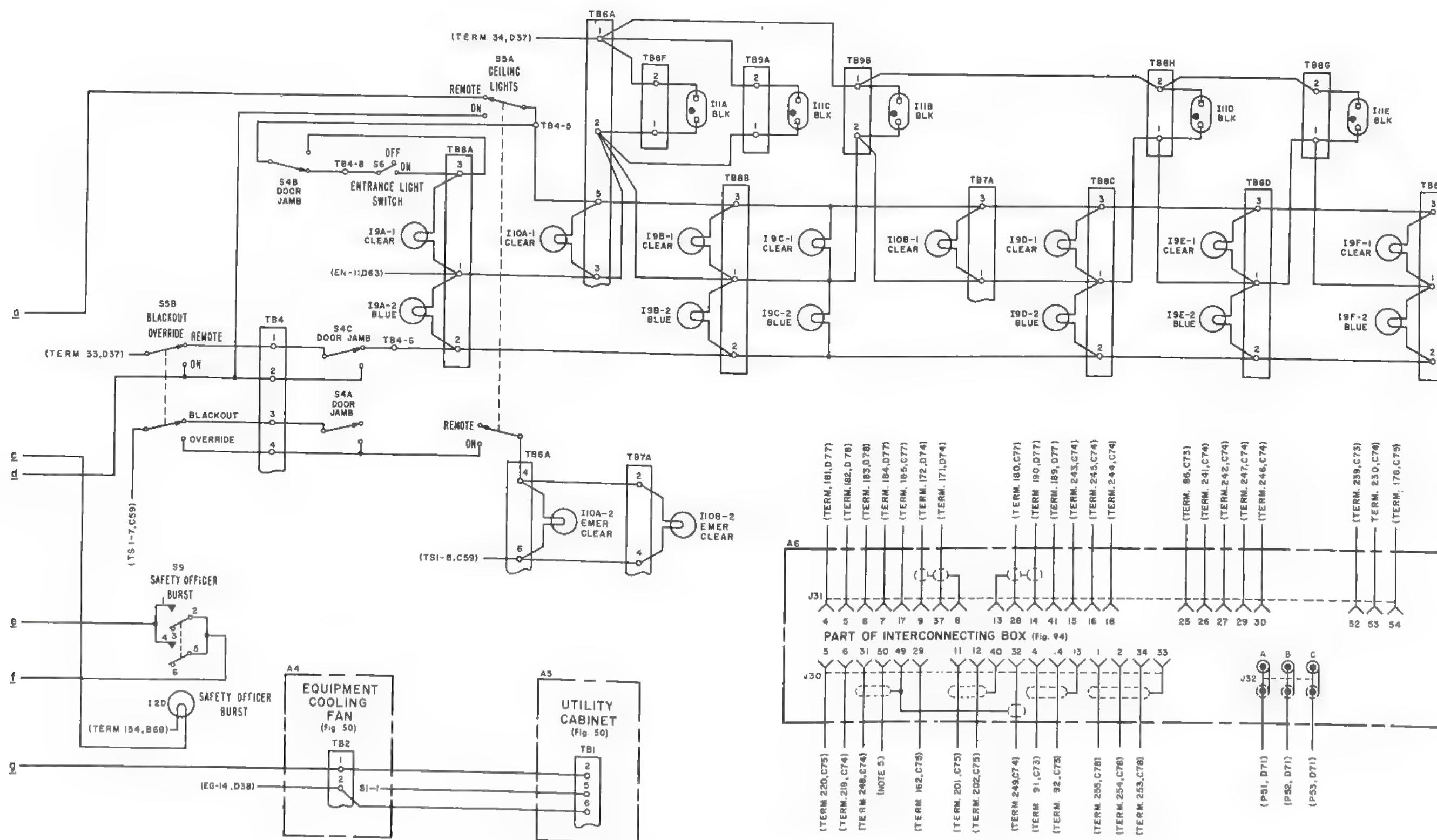


Figure 70 (U). Continued (sheet 4 of 14)

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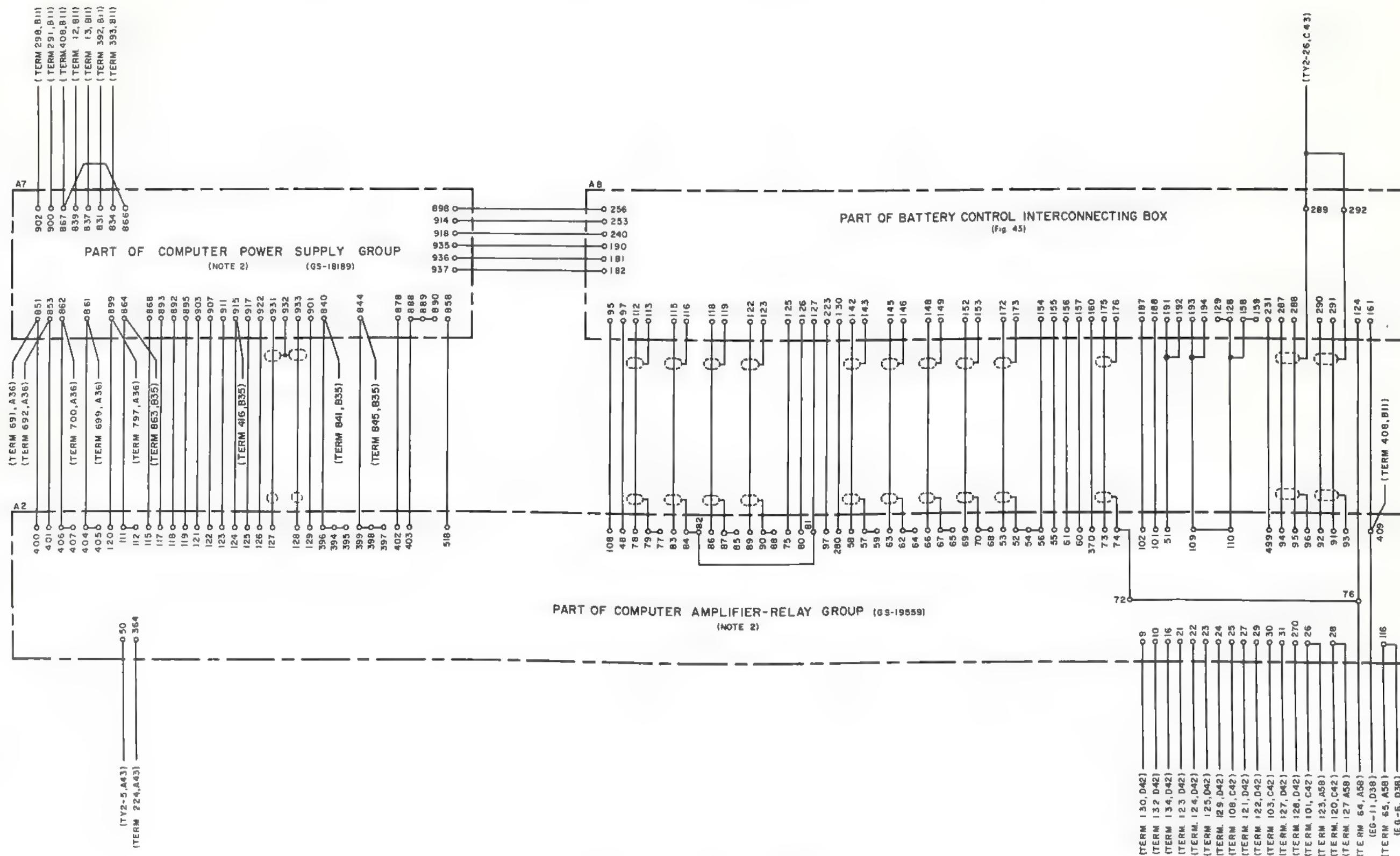


Figure 70 (U). Continued (sheet 5 of 14)

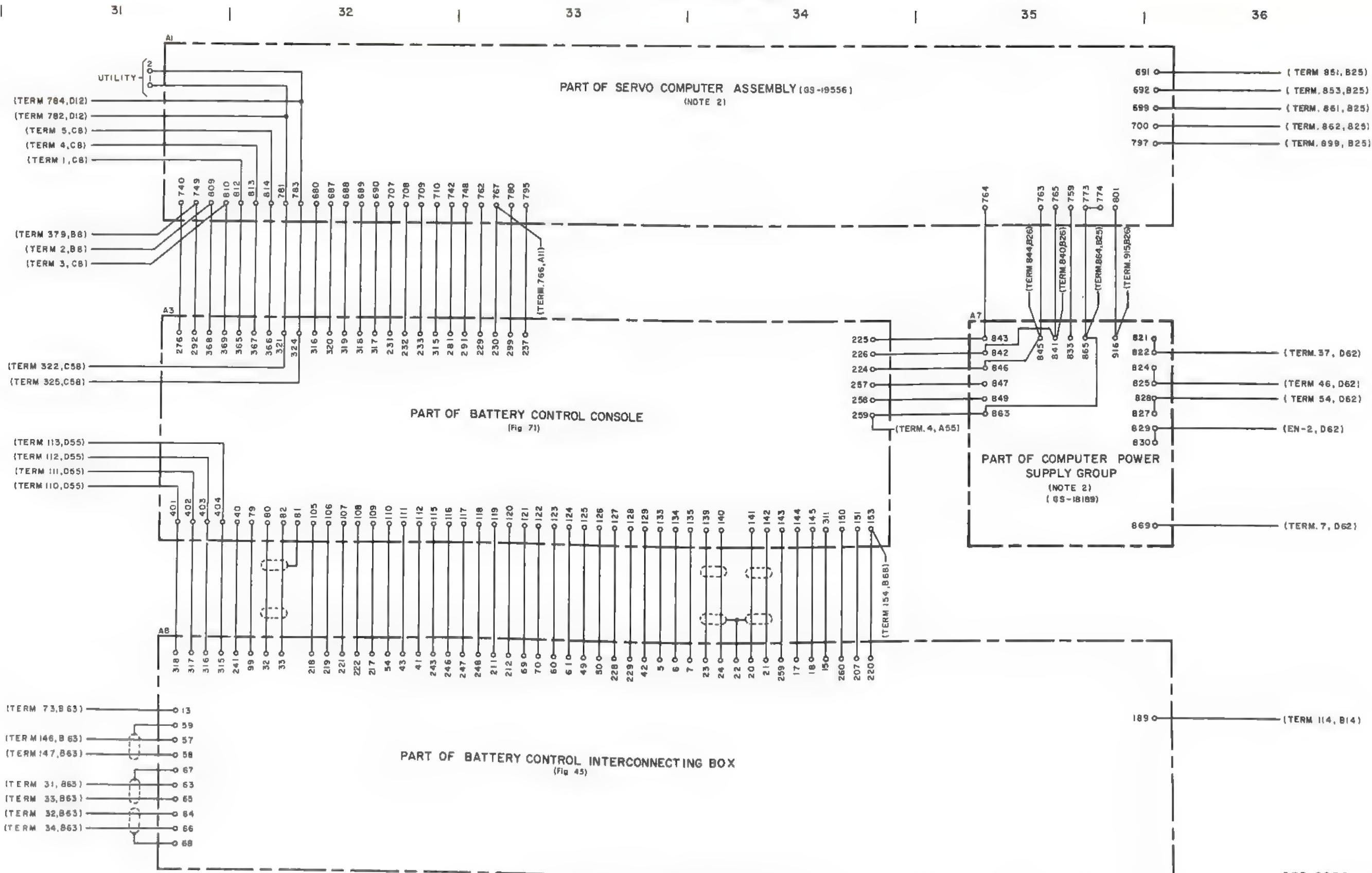
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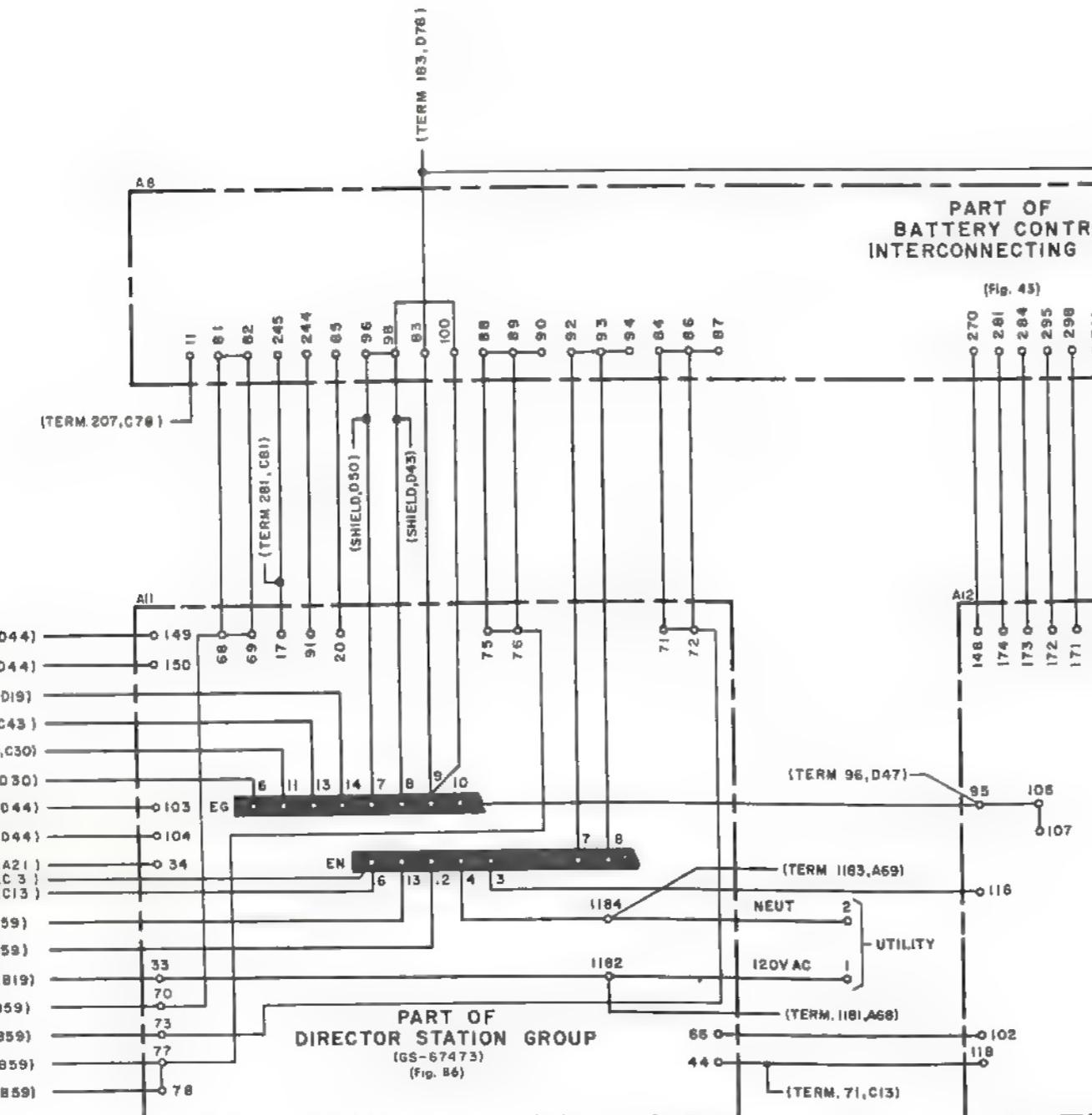
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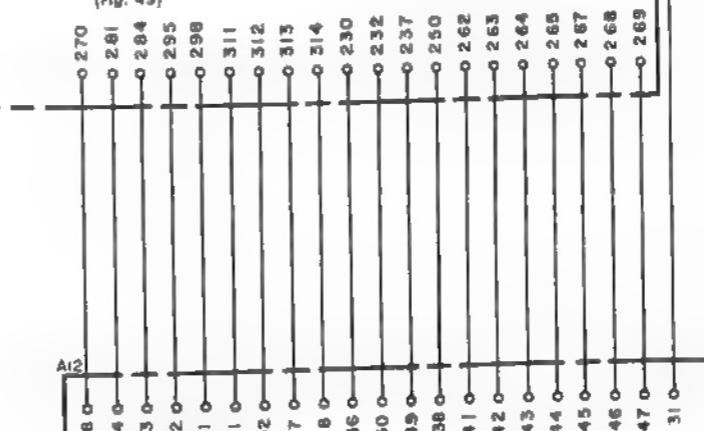
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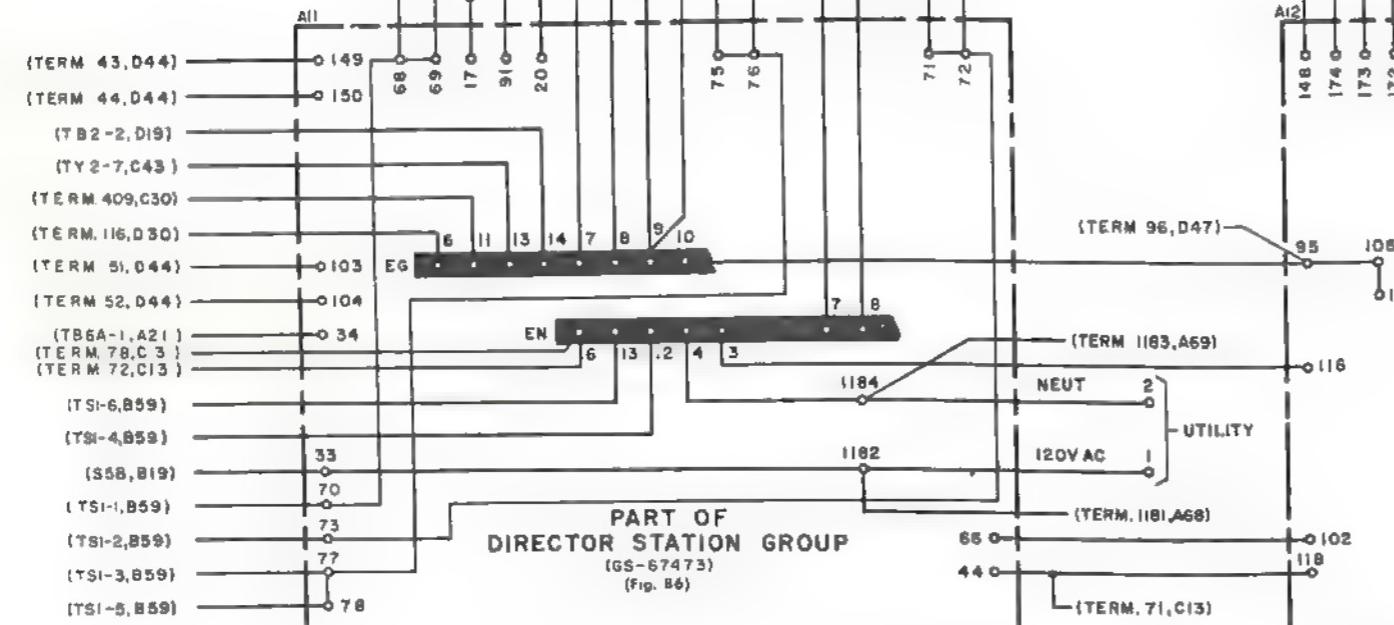
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PART OF
BATTERY CONTROL
INTERCONNECTING BOX

(Fig. 45)



C



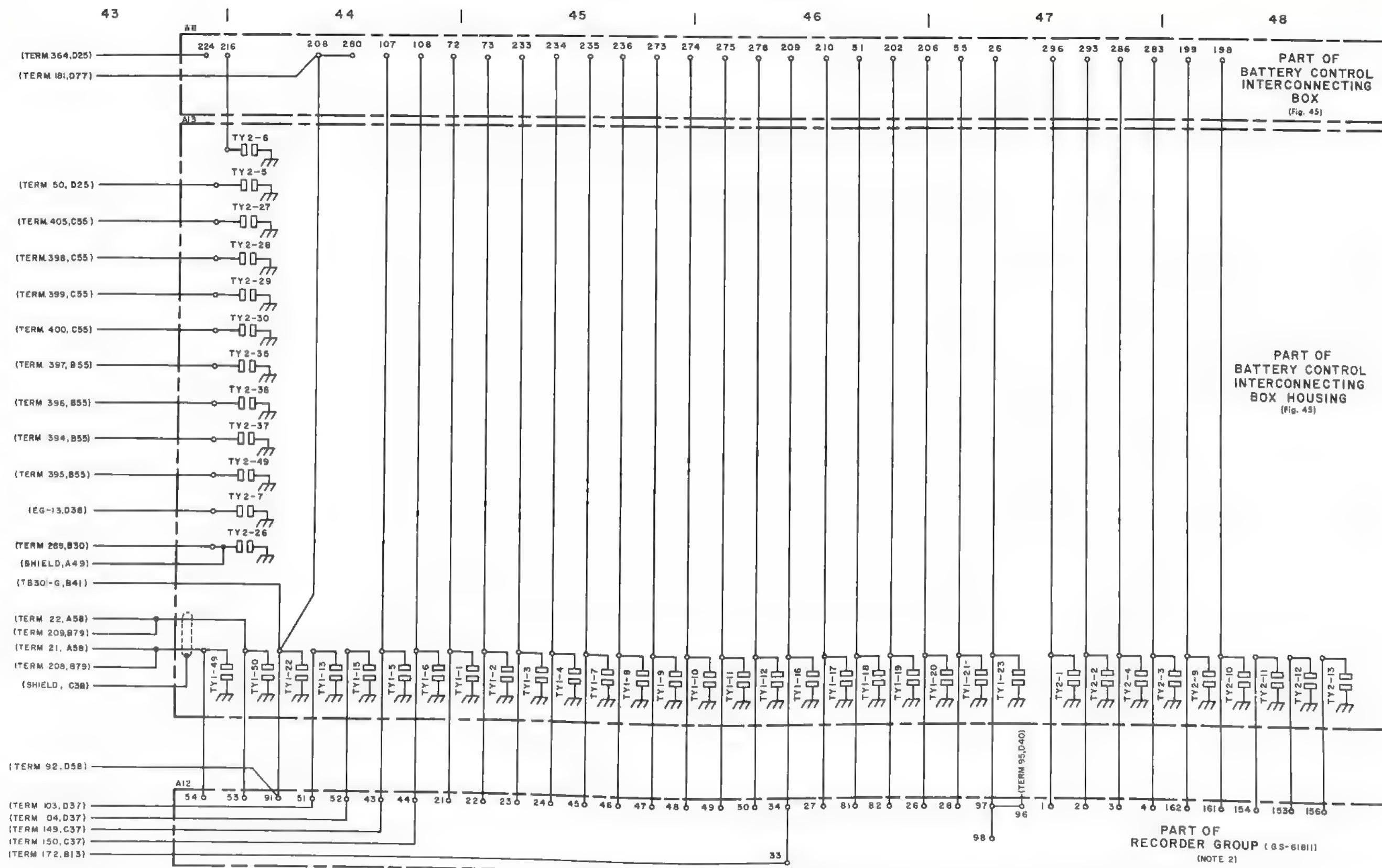


Figure 70 (U). Continued (sheet 8 of 14).

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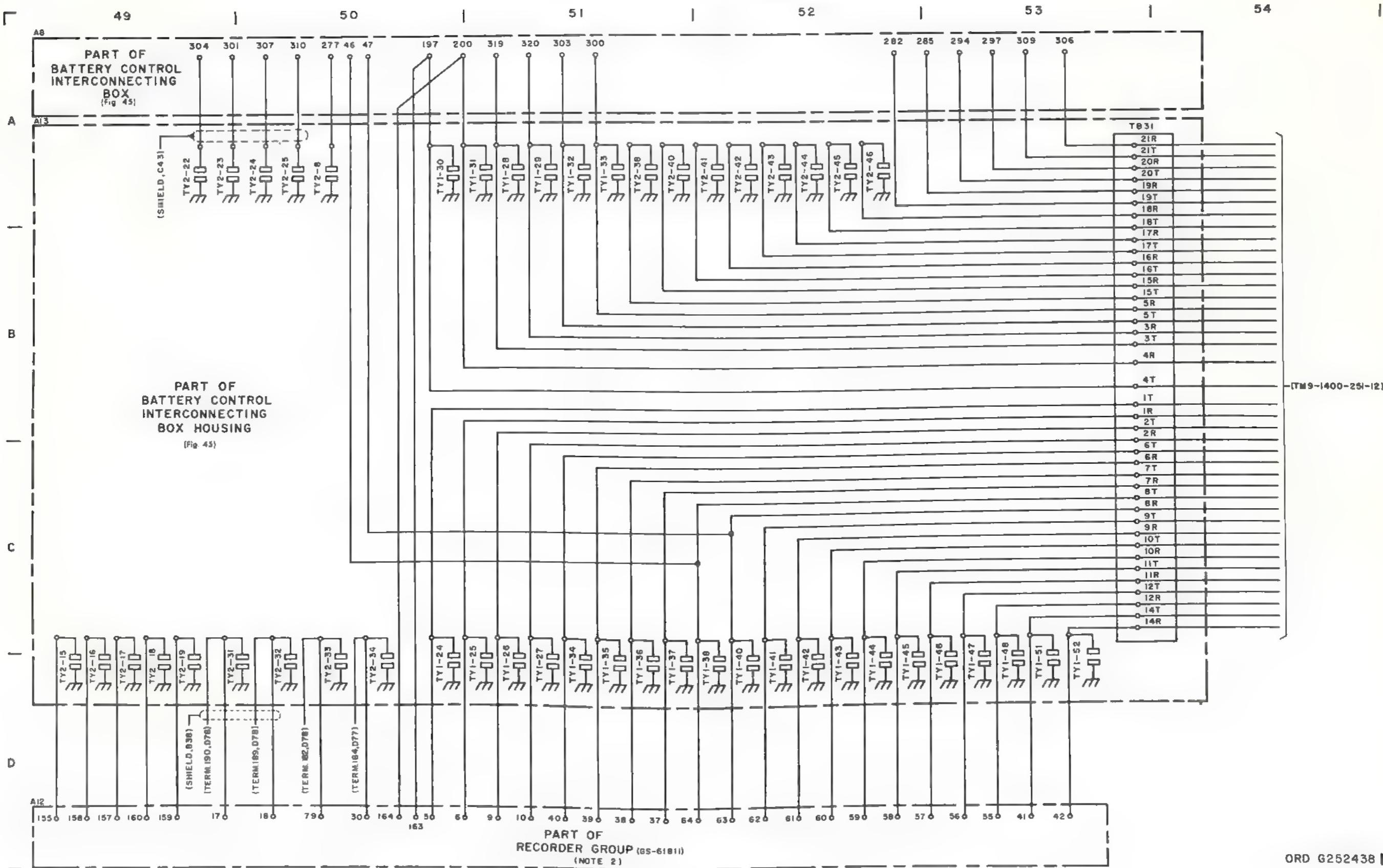
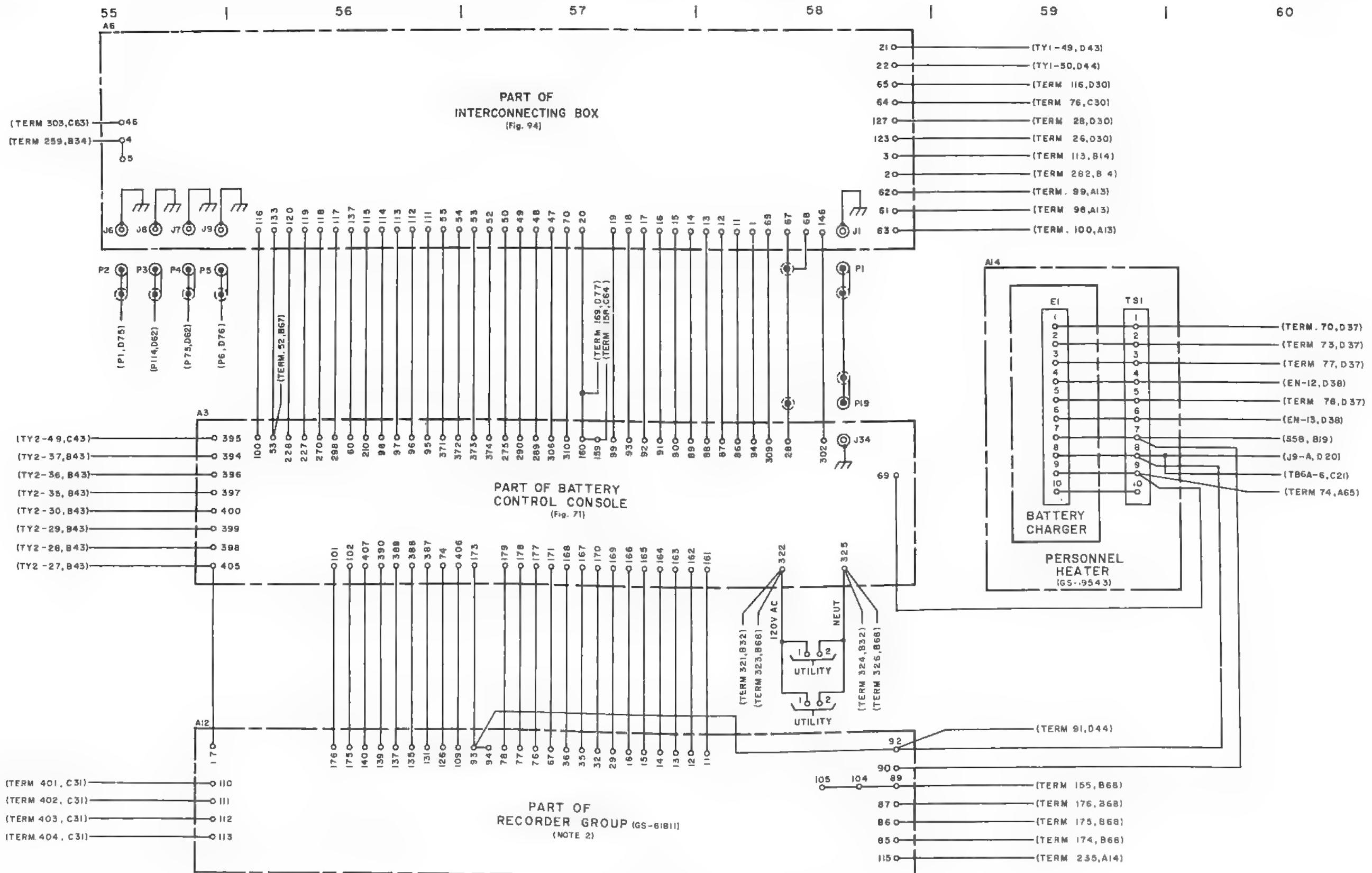


Figure 70 (U), Continued (sheet 9 of 14).

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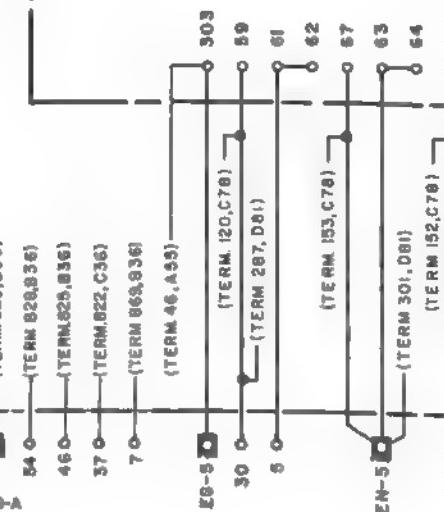
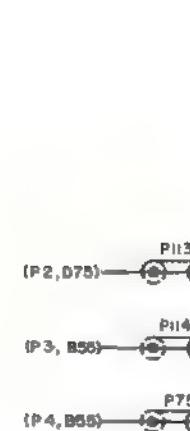
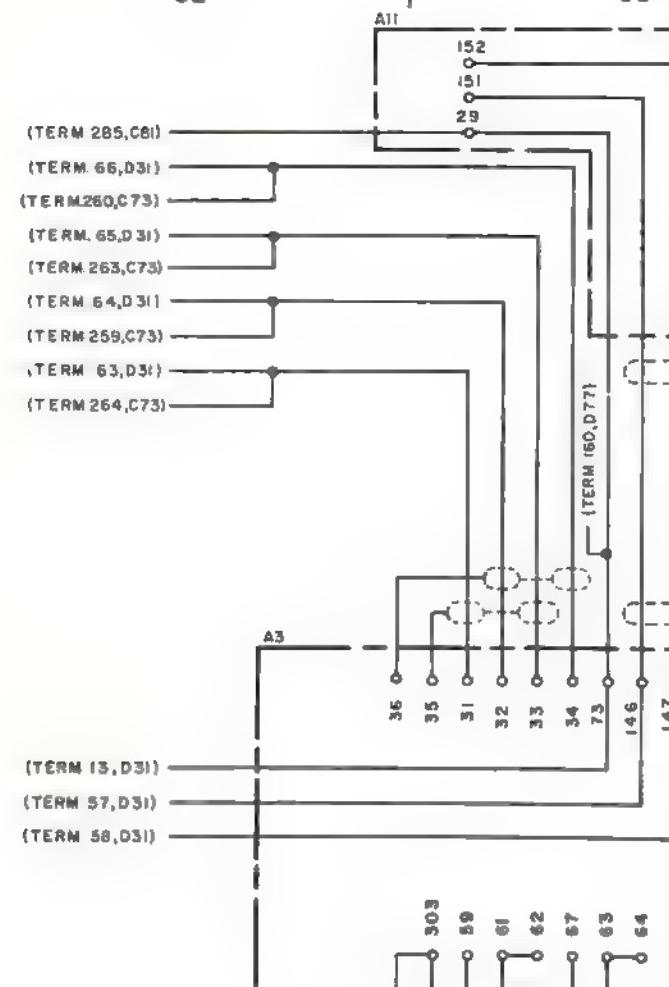
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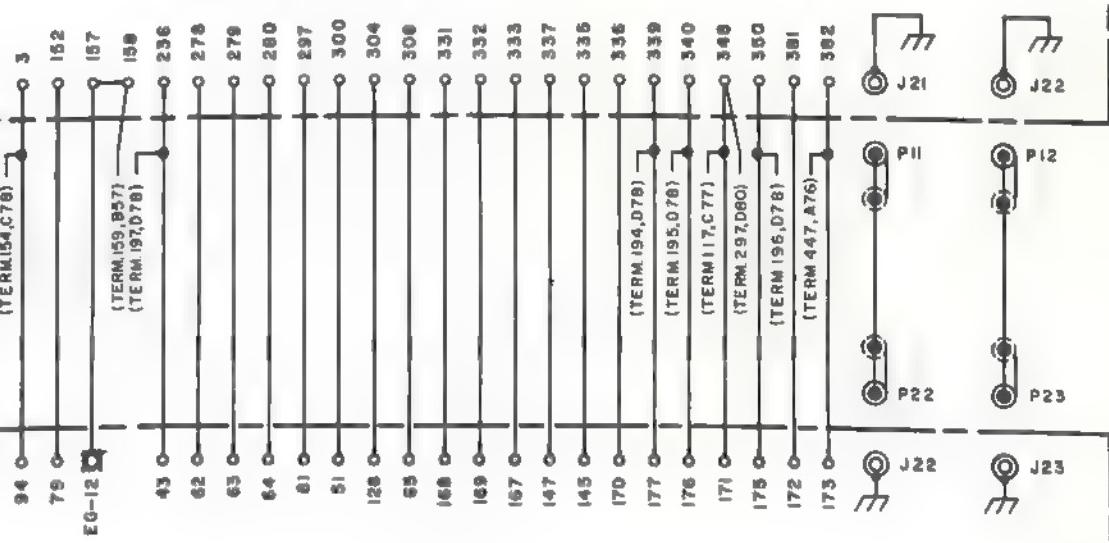


PART OF DIRECTOR
STATION GROUP

(Fig. 2)

PART OF BATTERY
CONTROL CONSOLE

(Fig. 71)



PART OF DIRECTOR
STATION GROUP

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Figure 70 (U). Continued (sheet 11 of 14)

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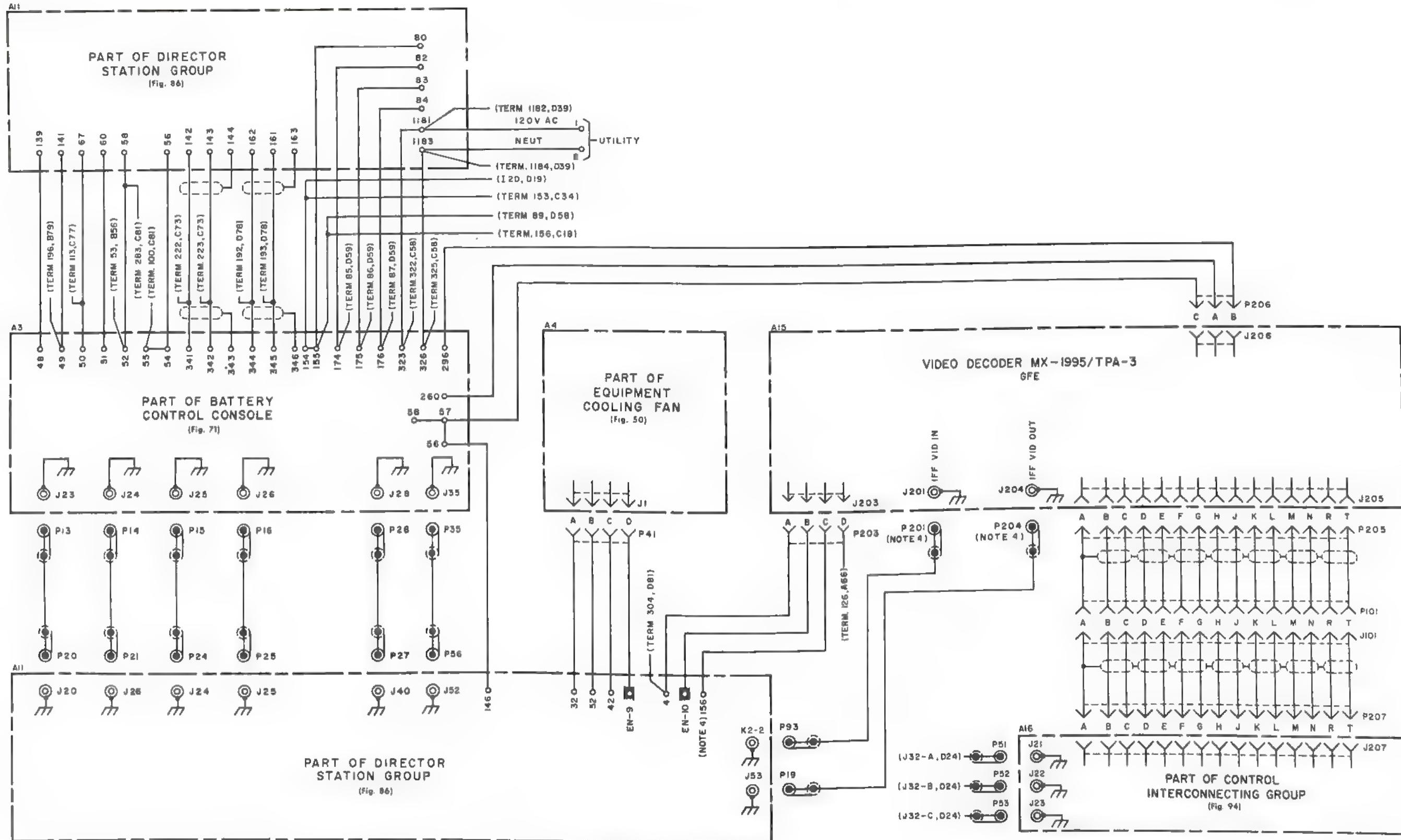


Figure 70 (U). Continued (sheet 12 of 14).

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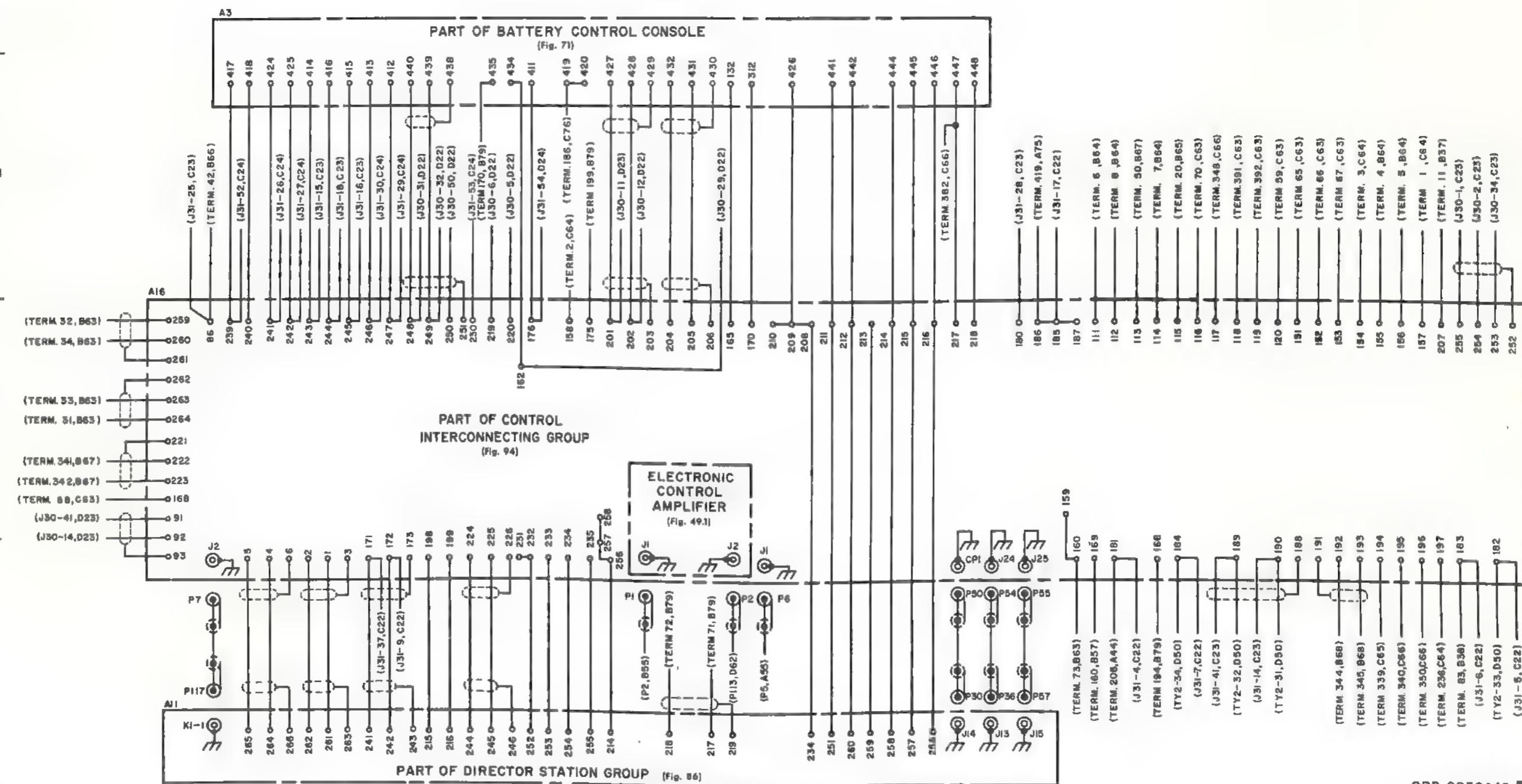
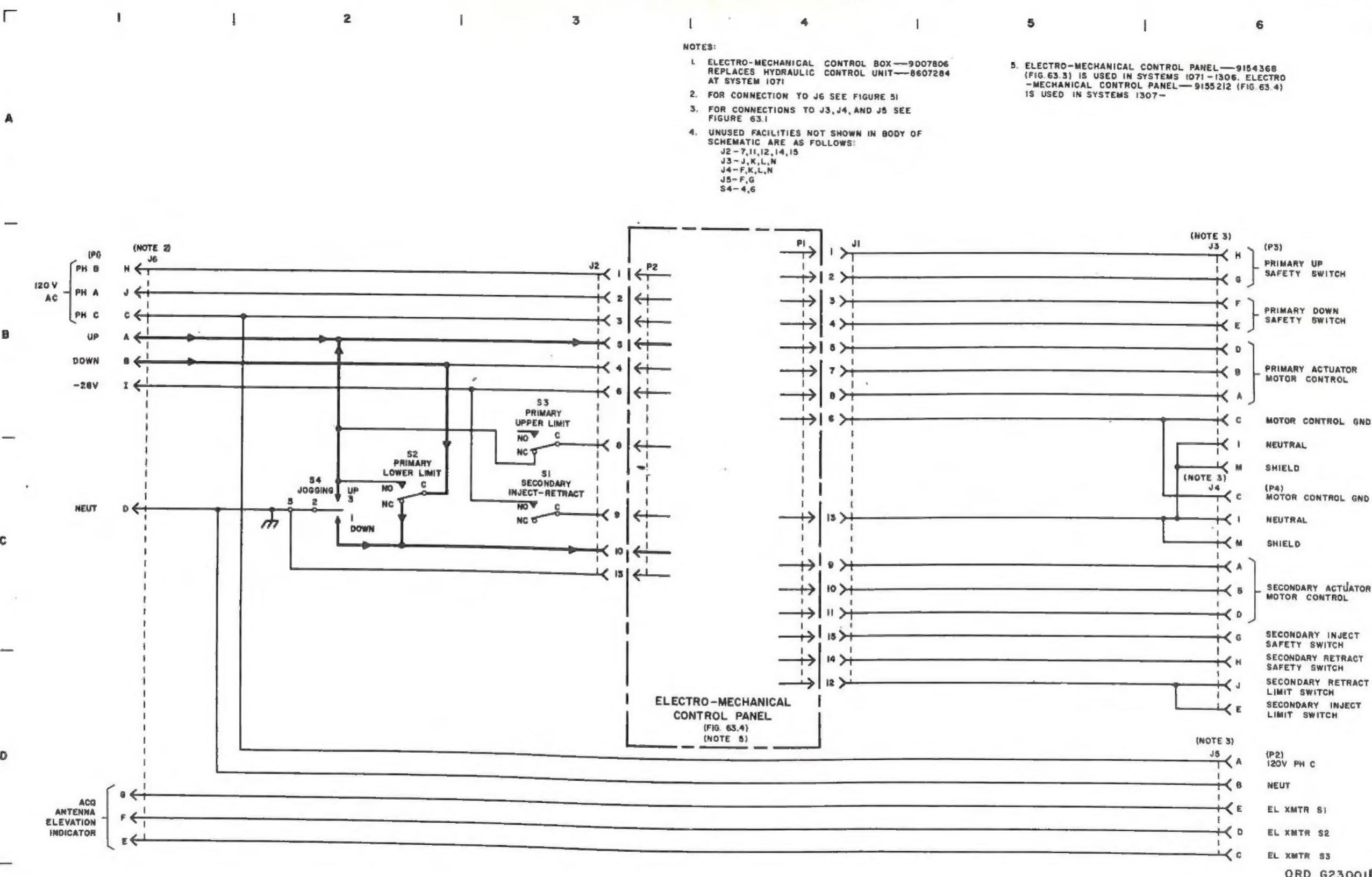


Figure 70 (U). Continued (sheet 13 of 14)

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(U) Electro-Mechanical Control Box 9007806—Apparatus List

Reference designation	Ordnance part No.	Part description
J1, J2.....	7599367	CONNECTOR, RECEPTACLE, ELECTRICAL: rect, 15 female cont.
J3.....	9010473	CONNECTOR, RECEPTACLE, ELECTRICAL: stght, 14 female cont.
J4.....	9010472	CONNECTOR, RECEPTACLE, ELECTRICAL: stght, 14 female cont.
J5.....	MS3102A-20-15S	CONNECTOR, RECEPTACLE, ELECTRICAL: stght, 7 female cont.
J6.....	7605618	CONNECTOR, RECEPTACLE, ELECTRICAL: stght, 10 male cont.
S1, S2, S3.....	9010786	SWITCH, SENSITIVE: spdt, 250v dc, $\frac{1}{4}$ amp or 125v dc, $\frac{1}{2}$ amp
S4.....	MS35059-18	SWITCH, TOGGLE: dpdt; solder term., 30 amp, type ST52S ELECTRO-MECHANICAL CONTROL PANEL 9154368 (see fig. 63.3 for component parts) ELECTRO-MECHANICAL CONTROL PANEL 9988941 (see fig. 63.4 for component parts)

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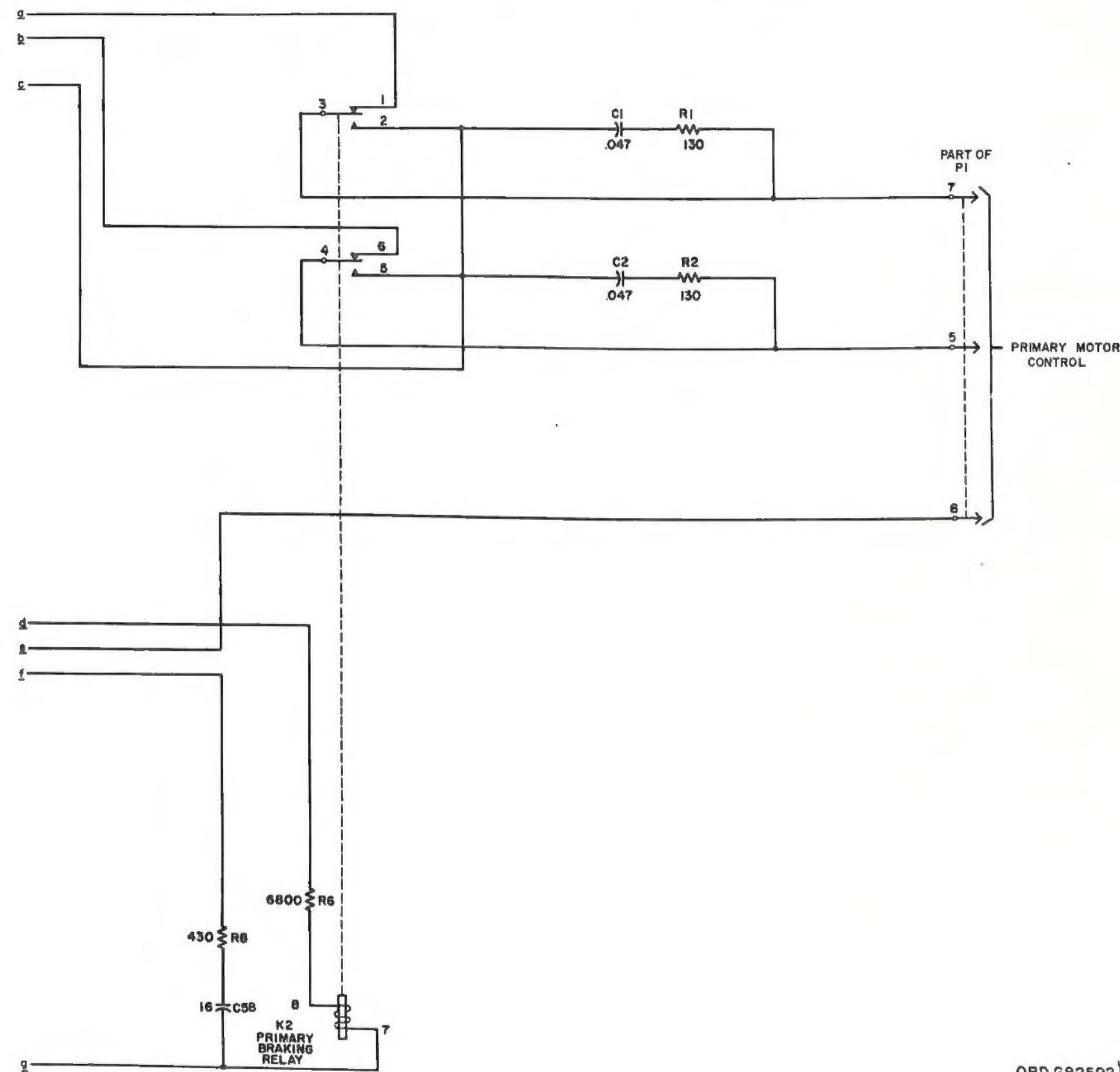


Figure 63.4 (U). Electro-mechanical control panel 9988941 — schematic diagram (sheet 1 of 2).

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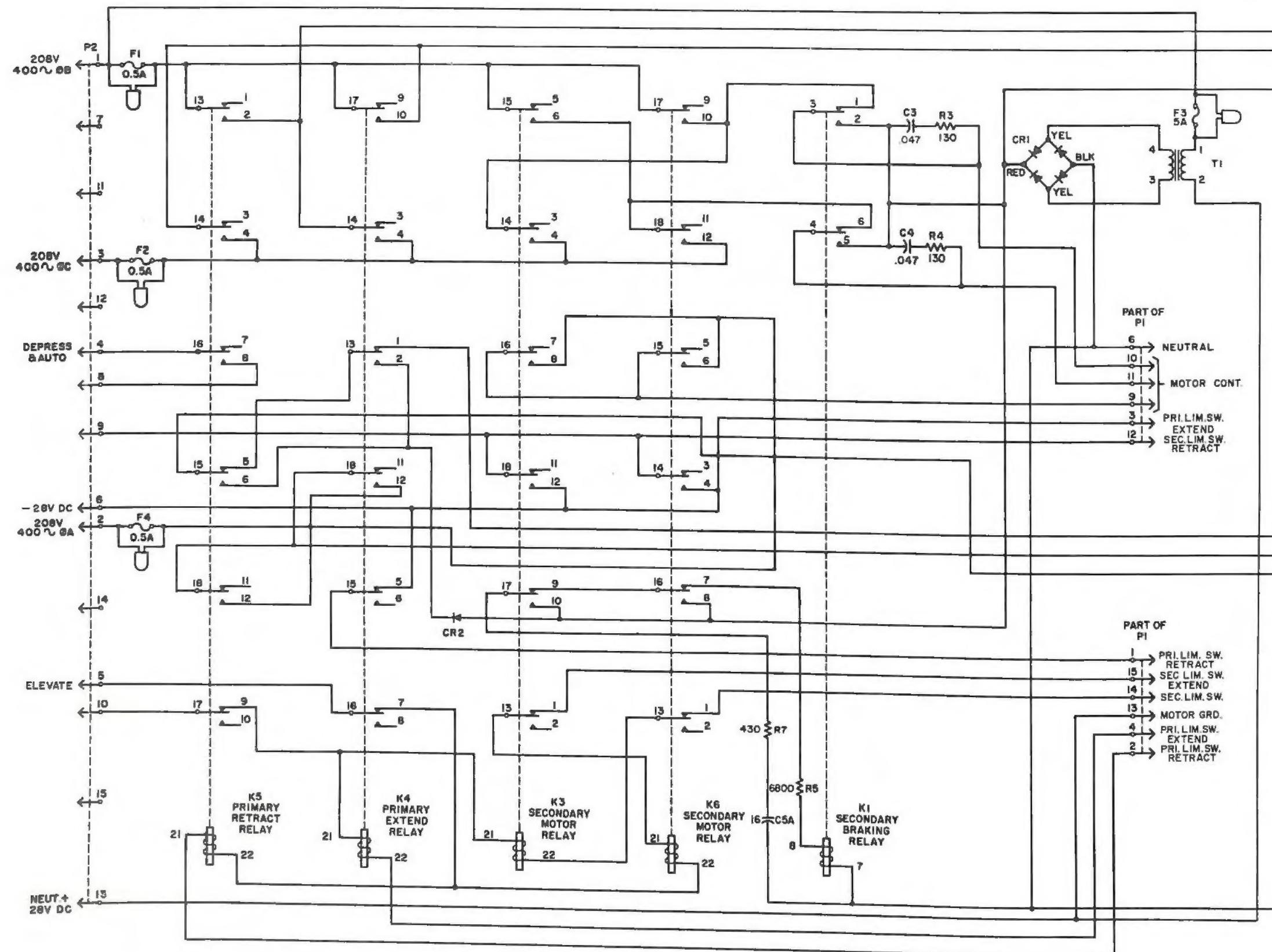
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Figure 63.4 (U). Continued (sheet 2 of 2).

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